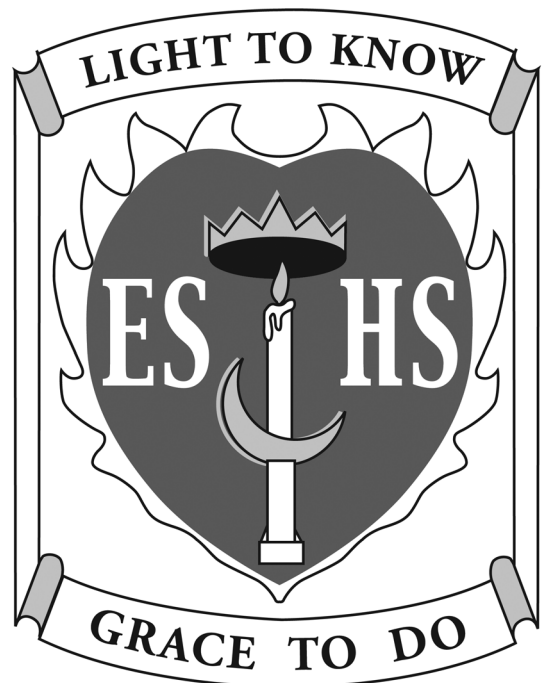


Elizabeth Seton High School



Course Catalogue
2009-2010

COURSE OFFERINGS 2009-2010



The selection of courses for each year is an important step on the road to your future. Courses are not selected for one year, but as part of a four year plan leading to a high school diploma. Please read the requirements for graduation before planning your academic program.

LEGEND

AP	Advanced Placement
	Weighted Grades
Honors	Weighted Grades
SAT	Scholastic Aptitude
	Test

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Elizabeth Seton High School, under the sponsorship of the Daughters of Charity of St. Vincent de Paul, has served the Archdiocese of Washington, D.C. since 1959. The educational program at Elizabeth Seton High School offers a curriculum that is academically challenging and prepares young women for the future.

President:	Sister Virginia Ann Brooks, DC
Principal:	Mrs. Sharon Pasterick
Assistant Principal:	Mrs. Leeanna Burke
Dean of Student Activities:	Mrs. Ginger Thompson
Director of Admissions:	Ms. Dawn Schiavone
Dean of Students:	Mrs. Nancy Hernick

Address: 5715 Emerson Street
Bladensburg, Maryland 20710
Phone: (301)864-4532(3)(4)
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Notice of Non-Discriminatory Policy

Elizabeth Seton High School, in accordance with the policy of the Archdiocesan Board of Education, does not discriminate on the basis of race, color, national or ethnic origin in the administration of educational and admission policies. Elizabeth Seton, a school established for the sole purpose of the education of young women, accepts female students only.

NOTE: After July 1, 2009, a fee of \$25.00 will be charged for every course change not initiated by school personnel.

Religious Studies

The Elizabeth Seton High School Religion Department requires four years of religious education. The religious studies program is designed to give our students a strong foundation in the Catholic Faith. Courses include Holy Scriptures, Church History, Catholic Morality, Christian Relationships, World Religions, and Social Justice. A service component is incorporated into the curriculum in order to demonstrate the importance of practicing values learned in the classroom. It is the goal of the department to offer our students a strong foundation that will carry them throughout their lives and to give them the Light to Know and the Grace to Do.

We recognize the need for our students to not only learn about their faith, but also to live it. As members of a Catholic community, we recognize that living our faith means to serve others as Jesus did, especially the disadvantaged. Each semester, students are required to perform ten hours of service and submit a reflection paper. The Service Learning Program is administered by Campus Ministry, in cooperation with the Religious Studies Department.

111 SCRIPTURE

(Grade 9) 1 credit

This is a survey course covering the Hebrew and Christian Scriptures. Students will study the origins of the Bible, literary traditions and constructions of the Bible, how God communicates through Holy Scriptures, and the importance of Scriptural interpretation. This course traces the history of the Jewish people, the development of God's covenants, and the life of Jesus. A unit on human sexuality is also incorporated into the course.

122 CHRIST OF FAITH; JESUS OF HISTORY

(Grade 10) 1 credit

The first part of this course is a continuation of the freshman year Scripture course. Students will explore the life and person of Jesus through the synoptic Gospels. The students will discuss the development of the Gospels, the culture of ancient Palestine, compare the accounts of Jesus' life, and evaluate the style of Jesus' teaching. This course allows the students to experience the historical Jesus.

The second part of this course begins with the birth of the Catholic Church at Pentecost. The students journey through time encountering influential members of the Church, strong political leaders, Church

Councils, World Wars, and the Holocaust. The course will allow the students to see how the Church developed from a small band of disciples to a worldwide community of faith.

133 TO LIVE AS CHRIST
(Grade 11) 1 credit

To Live as Christ is a course that will focus on Catholic Morality. The course's approach enables young people to understand Jesus' universal call to holiness and what it means to be a moral person. Topics covered will present a vocabulary and structure of moral analysis, while also inviting students to personal reflection on their development of conscience, virtue, and character. The course will also delve into Catholic teaching on major moral issues facing contemporary society.

136 BIO-ETHICS
(Grades 11, 12) 1/2 credit

This elective course will allow students to explore contemporary questions in bioethics, focusing on a Catholic ethic of life. The course will provide a basic grounding in ethical principles and will address specific moral questions including "beginning of life" issues (contraception, abortion, artificial conception), medical ethics (end of life issues, genetic testing), and research ethics (stem cell research).

Prerequisites: Students who enroll in this course must possess strong analytical and thinking skills. Students who wish to enroll in this course must also have written consent of their 10th or 11th grade Religious Studies teacher. Recommendations may also be accepted from Science and English teachers. Due to the sensitive nature of the topics covered in this course, students must also be able to conduct themselves in a mature manner.

140 CHRISTIAN RELATIONSHIPS AND ISSUES
(Grade 12) 1 credit

Seniors should register for two of the following 1/2 year courses 139, 144, and 147. One of the two choices must be 144 Social Justice.

139 Christian Relationships
This course focuses on students' relationships with their family, friends, and immediate community. The primary

objective of this course is to help students gain an increased understanding and awareness of those Christian values and Catholic Church teachings that will assist them in better living out the Gospel message: loving God and our neighbor as ourselves. It is a comprehensive course that provides relevant information on the married, single and religious life and addresses key developmental issues of young adulthood. This course also challenges students to investigate their beliefs by asking the questions: Who am I? and What do I believe?

144 Social Justice
This course examines the issues of peace and justice. Students are challenged to question the dominant values of society; which allow discrimination, hatred, prejudice, economic injustice, and war to occur. Once the student deconstructs the values of society, she must compare them to our values as Catholics. The course addresses the social and political implications of the Gospels, Catholic Social teaching, and Liberation Theology. The objective of this course is to open the students' eyes to the injustices that exist in the world in order to begin the process of eliminating them.

147 World Religions
Students who enroll in this course will explore the major faiths throughout the world and will investigate the rituals, beliefs, organizations, and practices of these faiths. Students will use the knowledge they gain from this course to help broaden and enrich their own faith life and relationship with God.

English

The State of Maryland requires four English credits for graduation. Elizabeth Seton High School requires: Grammar and Composition (9), Literary Traditions (10), and American Literature (11). Seniors may choose between 335 or 336. Qualified seniors may take 337 AP Literature.

310 GRAMMAR AND COMPOSITION/ENG. 1
(Grade 9) 1 credit

This course introduces students to a variety of literary genres. Students will begin to analyze several major works of

literature, including poetry, Greek and Shakespearean drama, and contemporary fiction. This course also emphasizes the development and enhancement of grammar and composition skills, with a specific focus on sentence structure and paragraph development. In addition, students will begin a four-year vocabulary program designed to prepare them for the SAT.

313 HONORS ENGLISH 1
(Grade 9) Honors credit

This course provides an in-depth study of the topics and works of English 1. Students will study grammar and vocabulary at an accelerated pace and will advance from single to multi-paragraph essays. They will read and analyze additional novels, short stories, plays, and poetry as preparation for upper level courses.

Prerequisite: (1) Department approval

321 TRADITIONS IN WORLD LITERATURE/ENG. 2
(Grade 10) 1 credit

The second year of literature is an in-depth study of major literary genres: poetry, drama, the short story, and the novel. Specific focus is given to the analysis of theme, setting, point of view, characterization, and plot. Terminology specific to each of the genres will be examined. In addition, students will continue to develop the grammar, SAT vocabulary, and paragraph skills studied the previous year. Writing, including the literary essay, will be based on the readings.

324 HONORSTRADITIONS IN WORLD LITERATURE/ENG. 2
(Grade 10) Honors credit

This honors course will provide a more in-depth study of literary genres. Terminology specific to each genre will be examined. SAT vocabulary and grammar skills will be further developed. Writing of the paragraph will be polished as students continue with multi-paragraph compositions. Student writing will be held to a high honors-level standard.

Prerequisite: (a) Completion of English 1 with an A or an A- with current teacher approval OR (b) Completion of Honors English 1 with a minimum grade of B-.

320 AMERICAN

LITERATURE/ENG. 3

(Grade 11)

1 credit

In this survey course, students will continue their study of literary genre, specifically poetry, the short story, the novel, and drama in different periods of American literature. The course will also focus on refinement and further development of grammar, SAT vocabulary, and composition skills. Mastery of the literary essay and the introduction of argumentative writing are important course goals.

322 HONORS AMERICAN LITERATURE/ENG. 3

(Grade 11)

Honors credit

This survey course will provide an in-depth comprehensive study of literary genre, specifically poetry, the short story, the novel, and drama in different periods of American literature. The course will continue SAT vocabulary development; it will also focus on teaching analytical skills through reading and composition. Mastery of the literary essay and the development of solid argumentative writing skills are the writing goals for this course.

Prerequisite: (a) Completion of English 2 with a minimum grade of A- OR (b) Completion of Honors English 2 with a minimum grade of B- and instructor approval

335 WOMEN IN BRITISH LITERATURE

(Grade 12)

1 credit

This class will explore British Literature by examining the roles of women as characters in and creators of texts. Students will read representative works of various genres-- poetry, drama, and novels-- that emphasize issues of invisibility, subversion, and power. Students will meet the unforgettable female characters of British Literature: Chaucer's Wife of Bath, Shakespeare's Dark Lady of the sonnets, the femme fatales and ingénues of British poetry. This course will also include units on the college application essay and the literary research paper.

336 STUDIES IN BRITISH DRAMA AND POETRY

(Grade 12)

1 credit

This class will explore British Literature through a survey of drama and poetry. In order to understand the broader context of

theater historically, students will explore the theater of the Renaissance, including Shakespeare and turn-of-the-century British drama. Poetry selections will include excerpts from major periods of English Literature. This course will also include units on the college application essay and the literary research paper.

314 CREATIVE WRITING

(Grades 10, 11, 12 elective) 1/2 credit

This class will introduce students to the process of and techniques of creative writing. Students will experiment with various types of writing, including the writing of fiction and poetry. Class readings will expose students to various writing styles and enable students to discover their own voice and inspiration for creating their own material. Class time will be spent discussing the writer's craft, the assigned readings, and student writing. This class will produce a literary magazine as a final class project, and students will also be encouraged to enter writing contests for prizes and/or publishing their works.

Prerequisite: (1) Department/Instructor approval

327 LITERATURE AND THE MOVIES

(Grades 10, 11, 12 elective) 1/2 credit

The focus of this elective course is to analyze, interpret, and compare works of literature to their film counterparts. After reading selected novels, short stories, and/or plays, students will discuss the possibilities and problems inherent in translating the page to the screen.

337 AP LITERATURE/ENG. 4

(Grade 12)

AP credit

This course will take a chronological approach to the study of our heritage from English Literature. Included in the course of study will be in-depth analyses of the writers, styles, genres, trends, and philosophies from Anglo-Saxon times to the 20th Century. To enhance the study of British Literature, students will also engage in close analysis of several influential works of world literature. Special focus will be placed on SAT vocabulary and the development of analytical reading and writing skills, especially the essay and research papers.

Prerequisites: (1) Completion of an honors level course in English prior to registration

(2) Completion of English 3 with a minimum grade of A- or completion of Honors English 3 with a minimum grade of B

339 SPEECH

(Grades 10,11, 12 elective) 1/2 credit

The speech class is designed to give instruction and practice in a variety of oral communication activities, including formal debates, interviews, introductions, public speaking, and oral interpretation of literature. Emphasis is placed on developing those skills needed for more effective speaking and listening. This course also emphasizes the form, content, and mechanics of the student's written speeches and evaluations.

343 ELEMENTS OF EFFECTIVE WRITING

(Grade 11 elective)

1/2 credit

This course will focus on refinement and further development of specific SAT and composition-related grammar skills, the literary essay, and the foundations of argumentative writing. This course also emphasizes the form, content, and mechanics of students' compositions, exercises, and essays. Special focus will be placed on specific writing skills and techniques designed to prepare students for the rigors of college writing.

355 PRINT JOURNALISM (1 Sem.)

(Grades 9, 10, 11, 12 elective) 1/2 credit

This course will focus on theory and basic news writing skills. Students will learn to write news, features, sports, opinions, etc. They will practice word processing skills in the lab as they prepare their stories for possible publication. Additionally, students will learn the basics of Adobe InDesign and Adobe Photoshop as they design and layout *The Roadrunner Review*. They will take photos and sell advertisements. Additionally, they will learn about the history of journalism throughout the year. They will work with Print Journalism II and III students in the production on the monthly newspaper. This class can also be taken for a 1/2 technology credit. Scheduling preference is given to staff members who enroll for the entire year.

Prerequisites: (1) B in English (or B- in Honors English) (2) Instructor approval (3) Students must attend an orientation workshop prior to the first day of class

364 PRINT JOURNALISM 1
(Grades 10, 11, 12 elective) 1 credit

This course will focus on theory and basic news writing skills. Students will learn to write news, features, sports, opinions, etc. They will practice word processing skills in the lab as they prepare their stories for possible publication. Additionally, students will learn the basics of Adobe InDesign and Adobe Photoshop as they design and layout *The Roadrunner Review*. They will take photos and sell advertisements. Additionally, they will learn about the history of journalism throughout the year. They will work with Print Journalism II and III students in the production on the monthly newspaper. This class can also be taken for a 1/2 technology credit. Scheduling preference is given to staff members who enroll for the entire year.

Prerequisites: (1) B- in English (2) Instructor approval (3) Students must be able to stay after school until 4 p.m. two days per month for layout

363 PRINT JOURNALISM 2
(Grades 11, 12 elective) 1 credit

Students who have taken Journalism 1 will form the editorial staff of the *Roadrunner Review*. They will assign and select stories for publication, edit, write headlines, design layouts, and oversee the efforts of beginning students. They will do in-depth stories and surveys and write editorials. They will refine their computer skills doing advanced layout, photography, graphics, and advertising.

Combined enrollment is limited to 15 students. Every student must have the approval of the instructor. Besides demonstrated skills in grammar and writing, students must have a reputation for responsibility in meeting assignment deadlines.

Prerequisites: (1) Instructor approval (2) Students must be able to stay after school until 4 p.m. two days per month for layout

366 PRINT JOURNALISM 3
(Grade 12 elective) 1 credit

This is a course for managing editors. In addition to writing in-depth articles and editorials for the *Roadrunner Review*, third year students will assign and edit stories; make editorial, content, and

stylistic decisions; direct and supervise photo and copy layout; and design and place advertising.

Prerequisites: (1) Instructor approval (2) Must be available for all layout sessions

Mathematics

The State of Maryland requires three credits in mathematics for graduation from high school. Elizabeth Seton High School highly recommends four years of mathematics. This requirement can be met by any combination of credits from the courses listed below.

All incoming freshmen are required to take a Math Placement test to determine the appropriate course of study for them.

A TI-83/84 family calculator is required for all courses.

509 ALGEBRA 1
(Grade 9) 1 credit

This course is designed with additional support to incoming freshmen taking Algebra 1. The topics will include: integer operations, solving and graphing linear equations and inequalities, system of equations, operations with polynomials, exponents and rational relations.

Prerequisite: (1) Placement Test result

510 ALGEBRA 1
(Grade 9) 1 credit

The topics will include: integer operations, solving and graphing linear equations and inequalities, system of equations, operations with polynomials, exponents and rational relations.

Prerequisite: (1) Placement Test result

521 GEOMETRY
(Grade 10, 11) 1 credit

This course presents the study of the relationships between geometric figures, beginning with the line and its subsets, and progressing through subsets of the plane such as angles, triangles, quadrilaterals and circles. Concepts such as congruence, similarity and parallelism are discussed. The emphasis throughout the course is on deductive reasoning through proofs and logical thought. This approach is

designed to show the creation of Euclidean geometry, along with coordinate geometry, as an integrated whole.

Prerequisite: (1) Minimum C- in Algebra 2

522 INFORMAL GEOMETRY
(Grade 11) 1 credit

This course covers the topics described above for Geometry with decreased emphasis on formal proof.

Prerequisites: (1) Completion of Algebra 2 (2) Mathematics Department approval

**511 HONORS
GEOMETRY/TRIGONOMETRY**
(Grade 10, 11) Honors credit

This course presents an accelerated and more extensive study of the topics covered in the 521 Geometry course as well as study of trigonometry.

Prerequisite: (a) Algebra 2 with a minimum of A- OR (b) Algebra 2/Trig with a B-

525 ALGEBRA 2
(Grade 11) 1 credit

This course is designed with additional support to sophomores taking Algebra 2. It extends essential algebraic processes and techniques. New skills are developed and concepts in graphing, linear equations, inequalities and systems, quadratic, polynomial, rational, radical, exponential and logarithmic functions are studied.

Prerequisites: (1) Completion of Algebra 1 (2) Mathematics Department approval

523 ALGEBRA 2
(Grade 9, 10) 1 credit

This course extends essential algebraic processes and techniques. New skills are developed and concepts in graphing, linear equations, inequalities and systems, quadratic, polynomial, rational, radical, exponential and logarithmic functions are studied.

Prerequisites: (a) Minimum of C- in Algebra 1 OR (b) Placement Test result

515 HONORS ALGEBRA 2
(Grade 9, 10) Honors credit

The course will extend the Algebra 2 course to include sequences and series and counting methods, probability and

statistics.

Prerequisites: (a) Minimum of A- in Algebra 1 OR (b) Placement Test result

524 ALGEBRA 2/ TRIGONOMETRY

(Grade 11) Honors credit

This course covers the topics described under Algebra 2 and provides a standard course in trigonometry.

Prerequisite: (1) Minimum of B- in Honors Geometry

535 DATA ANALYSIS

(Grades 11,12) 1/2 credit

This course is designed to prepare students to continue the study of mathematics at the college level and reinforce skills needed on the SAT test. Topics include review of algebra and geometry, statistics and data analysis.

Prerequisites: (1) Satisfactory completion of Geometry (2) Concurrent enrollment in Algebra 2 OR (3) Satisfactory completion of Algebra 2

536 TRIGONOMETRY AND ANALYSIS

(Grades 10, 11, 12) 1/2 credit

This course includes in-depth study of elementary trigonometric and transcendental functions. There will be a strong emphasis on a graphical approach and the class is designed to be a bridge for higher mathematics.

Prerequisites: (a) Geometry with a minimum grade of C OR (b) Concurrent enrollment in Algebra 2 OR (c) Geometry and Mathematics Department approval

552 COLLEGE PREPARATORY MATHEMATICS

(Grade 12) 1/2 credit

This course is designed to review, reinforce and extend algebra and geometry skills, such as graphing and solving linear and quadratic functions, polynomial functions, exponents, direct and inverse variation, absolute value equations and inequalities, area, volume and perimeter formulas.

Prerequisite: (1) Mathematics Department approval

550 HONORS PRE-CALCULUS

(Grade 10, 11, 12) Honors credit

This course provides a rigorous preparation for the study of college-level calculus courses. Topics include coordinate geometry, polynomial, transcendental, and trigonometric functions, and inequalities, parametric equations, sequences and series. An introduction to limits is covered as time permits.

Prerequisite: (a) Algebra 2/Trigonometry with a minimum of B- OR (b) Algebra 2 with a minimum of B and Trigonometry and Analysis with a minimum of B

541 AP CALCULUS AB

(Grade 11, 12) AP credit

This is an Advanced Placement course and students are expected to take the AP examination in May. The course will cover the topics of elementary functions, limits, differential and integral calculus.

Prerequisite: (1) Honors Pre-Calculus with a minimum of C -

540 AP CALCULUS BC

(Grade 11, 12) AP credit

This is an Advanced Placement course and students are expected to take the AP examination in May. The course will cover the topics of limits, differential and integral calculus, polynomial approximations and series. BC Calculus will be offered only if there is an adequate number of students registered/eligible for the course in any year. Alternatively, if the class is not offered, students who do qualify may take BC Calculus as an Independent Study course and will have an assigned advisor.

Prerequisite: (a) Honors Pre-Calculus with a minimum of A- OR (b) Mathematics Department approval

553 AP STATISTICS

(Grades 11, 12) AP credit

This is an Advanced Placement course and students are expected to take the AP examination in May. The course will acquaint students with the major concepts and tools for collecting, analyzing and drawing conclusions from data.

Prerequisite: (a) 523 Algebra 2 with a minimum of A- and Data Analysis OR

(b) Algebra 2/Trig with a minimum of B-
(c) Honors Pre-Calculus with a minimum of C- and Honors English with B or English with A -

Science

The State of Maryland requires a student in a college preparatory program to earn three credits in science. One of the credits must be Biology or Honors Biology. The other two courses can be any combination of the courses below. A chemistry course is strongly recommended.

621 BIOLOGY

(Grade 9) 1 credit

Biology is a comprehensive course designed to introduce the student to the major concepts of the science of living things. Topics to be studied include the cell, the body, heredity, the diversity of life, and the study of human diseases. Throughout the course, "hands-on" laboratory work is closely integrated with the biological concepts under study.

622 HONORS BIOLOGY

(Grade 9) Honors credit

Honors Biology is an accelerated science course. Areas of basic biology are explored in depth and at a fast pace. Individual projects, independent study and outside readings are required. Approval of the teacher is required.

633 GENERAL CHEMISTRY

(Grades 10, 11,12) 1 credit

General Chemistry shows the importance of learning chemistry and gives students an opportunity to see how chemistry can be applied to everyday life and the world around them. This course uses a hands-on approach to learning and stresses basic laboratory skills, measurement and chemical concepts such as the structure of the atom, chemical bonding, chemical equations, balancing equations, nomenclature, and stoichiometry. This class may be taken before or after General Physics.

Prerequisites: (a) Completion of Biology OR (b) Honors Biology & Algebra 1

631 CHEMISTRY

(Grades 10, 11, 12) 1 credit

This course provides the student with a solid grounding in the concepts of chemistry. Proportional reasoning and problem solving are stressed. Laboratory experiences are designed to prepare students for college work in science and related fields, to teach students the intellectual skills needed to address problems they will encounter as adults, and to provide them with the background to interpret everyday events in terms of chemical concepts and principles.

Prerequisites: (1a) Minimum grade of B- in Algebra I and a B- in Geometry OR (1b) Minimum grade of B in Algebra I and a B in General Physics (2) Chemistry instructor approval

632 HONORS CHEMISTRY

(Grades 10, 11, 12) Honors credit

This is an accelerated course for gifted students. Chemical theory and experimentation complement each other in providing an integrated approach to chemical principles and descriptive chemistry. All topics are treated with a mathematics-based, problem-solving approach and emphasis is placed on a thoughtful and logical study.

Prerequisites: (1a) Minimum grade of A- in Algebra 1, an A- in Geometry, and concurrent enrollment in Algebra 2/Trigonometry OR (1b) Minimum grade of B in Algebra 2/Trigonometry and concurrent enrollment in Honors Geometry (2) Chemistry instructor approval

645 ADVANCED PLACEMENT CHEMISTRY

(Grade 11, 12) AP credit

The AP Chemistry course is designed to provide the contents and applications of a first year college chemistry course to students with a strong interest in science or engineering and to prepare students to take the AP Chemistry exam. The course topics include: stoichiometry, properties of gases, liquids, solids and solutions, chemical equilibrium, chemical thermodynamics, atomic and molecular structure, chemical kinetics, periodic properties, nuclear chemistry and descriptive chemistry.

Prerequisites: (1a) A grade of A- in

Chemistry OR (1b) B in Honors Chemistry, Algebra 1, Algebra 2, Trigonometry, Geometry and concurrent enrollment in Honors Precalculus (2) One year of Physics or General Physics is desirable (3) AP Chemistry instructor approval

639 GENERAL PHYSICS

(Grades 10, 11, 12) 1 credit

This course is designed for students who have completed Biology and Algebra I and who are interested in a class that explores the rules of nature and enriches understanding of the physical world. Physics is the study of kinematics (the way in which objects move) and dynamics (what affects movement). We will cover Newton's Laws, energy, waves, light, sound, electricity and magnetism. Exploration is done by placing everyday materials into motion, and then observing, collecting data and making inferences about their motion. Emphasis is placed on investigation and the use of the scientific process. Mathematics is used in collecting and analyzing data. This course may be taken before or after General Chemistry.

Prerequisites: (1) Biology (2) Algebra I

640 PHYSICS

(Grades 11, 12) 1 credit

This laboratory course begins with a study of mechanics and Newton's laws of motion and the relationships between work and energy. These topics lead to a study of thermodynamics and heat. Electricity and magnetism are studied in both a theoretical framework of atomic theory and in the practical aspects in currents and fields. Waves, centering on both the nature of light and sound, are discussed, as is the phenomenon of color. It is highly advised that students have some knowledge of trigonometry.

Prerequisites: (1) Minimum grade of B in Algebra 1 and Geometry (2) Physics instructor approval

649 HONORS PHYSICS

(Grades 11, 12) Honors credit

This is an accelerated physics course in which a solid foundation in Newtonian physics (mechanics) with a substantial foundation in thermodynamics, wave theory, electricity, magnetism, and optics is offered. Mathematics will play a sub-

stantial role in analyzing an assortment of motion and physical phenomenon. A solid understanding of algebra and trigonometry is important. In addition to hands-on exercises and laboratory investigations, students will be asked to work together to solve engineering problems.

Prerequisites: (1a) Minimum grade of A- in Chemistry OR (1b) Minimum grade of B in Honors Chemistry, an A in Algebra 1, an A in Geometry and Minimum grade of B in Algebra 2 (2) Physics instructor approval

615 HONORS ANATOMY AND PHYSIOLOGY

(Grades 11, 12) Honors credit

Anatomy and Physiology is an advanced course that provides the student with an in-depth understanding of the structure and function of each of the systems of the human body. The course also focuses on the organization of the human body, principles of support and movement, and control mechanisms. Throughout the course, laboratory work, written labs, and dissections are closely integrated with the concepts being studied. Independent study and outside readings are required.

Prerequisite: (1) Completion of high school biology and chemistry with the following grades: Biology B or Honors Biology B-; General Chemistry A-, Chemistry B or Honors Chemistry B-. (Preference given to Honors Chemistry, Chemistry students and seniors require Anatomy/Physiology teacher approval.)

612 ENVIRONMENTAL SCIENCE

(Grades 11, 12) 1 credit

This course is designed to increase the student's awareness of how various parts of our environment are interconnected and interdependent. Contemporary issues and problems that impact our environment along with possible solutions are considered. The role that the student can play in "making a difference" is emphasized. Experiments and both individual and group projects are an integral part of the course.

Prerequisite: (1) Successful completion of two years of Science, one of which must be Biology and the other either Chemistry or Physics at any level.

642 ADVANCED PLACEMENT BIOLOGY
(Grade 11 and 12) AP credit

The AP Biology course is designed to be the introductory course usually taken by biology majors in their first year of college. It aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. It also prepares students to take the AP Biology Exam.

Prerequisites: (1) Completion of high school Biology and Chemistry with the following grades: Biology B or Honors Biology B-; Chemistry B or Honors Chemistry B- (2) AP instructor approval

Social Studies

The State of Maryland requires that all students in a college preparatory program earn a total of three credits in Social Studies for graduation. At Elizabeth Seton, the students are required to take World History, United States History and Government/Current Issues.

Course 710 or 722 satisfies the World History requirement.

710 WORLD HISTORY
(Grade 10) 1 credit

Emphasis is placed on the modern world beginning with the Renaissance in Europe. Other areas of study include the history of Asia and the development of Africa from colonization to the present day. The class examines the concepts of nationalism, imperialism and militarism. Deeper investigation is made into the Holocaust through individual research, culminating with a field trip to the Holocaust Museum. The course concludes by studying the restructuring of the postwar world by the two superpowers.

722 HONORS WORLD HISTORY
(Grade 10) Honors credit

The honors course in World History takes a global view of historic processes and contacts between people in different societies. It is designed to offer a rigorous challenge to the student. Extensive reading, writing, and critical analysis beyond the mastery of factual knowledge are expected of students

enrolled in this course.

Prerequisites: (1) Excellent grades (2) Instructor approval (3) Recommendation by English teacher, Social Studies teacher, or Guidance counselor

Courses 721 or 731 satisfy the U.S. History requirement.

721 UNITED STATES HISTORY
(Grades 11) 1 credit

This is a survey course spanning the early colonial period to the modern era. The class highlights major events in the history of the United States and how those events have impacted the present. The goal of this course is for each student to attain an appreciation for her American heritage and an awareness of the multicultural contributions that have shaped our history.

731 ADVANCED PLACEMENT UNITED STATES HISTORY
(Grade 11) AP credit

This class requires extensive reading in a college level textbook. It covers United States history in detail from colonial time to present day. The course is rigorous. Students must digest topics quickly and write many essays. The class is designed to prepare the students to take the Advanced Placement examination in the spring. A high grade on that examination could result in college credit.

Prerequisites: (1) Excellent grades (2) Instructor approval (3) Recommendation by English teacher, Social Studies teacher or Guidance counselor (4) Compliance with the Advanced Placement policy as stated in the handbook.

Courses 732, 741, or 748 satisfy the Government requirement.

732 GOVERNMENT/CURRENT ISSUES
(Grade 12) 1 credit

An introduction to comparative political and economic systems, this course concentrates on the study of United States government. In addition to this study of government, students investigate issues of national and international importance. The two themes, government and current issues, are combined. Students are encouraged to develop a basic understanding of major domestic and

international issues as well as an ability to think critically.

748 HONORS GOVERNMENT
(Grade 12) Honors credit

Honors Government is an accelerated social studies course. The course examines in detail the historic background to American government, weaknesses under the Articles of Confederation, events of the Constitutional Convention, and ratification of the Constitution. Critical issues confronting the various branches of government are examined, especially in relation to Constitutional dictates. Emphasis is placed on the study of Cold War era politics and significant domestic legislation in U.S. History.

Prerequisites: (1) Excellent grades (2) Instructor approval (3) Recommendation by English teacher, Social Studies teacher, or Guidance counselor

741 ADVANCED PLACEMENT GOVERNMENT AND CURRENT ISSUES
(Grade 12) AP credit

This course is presented in a seminar format. The purpose of government and the methods government employs to achieve its goals are central themes. Extensive reading, writing, and research are basic requirements. In addition, current events and discussions are critical elements of the course. Students take the Advanced Placement exam in the spring.

Prerequisites: (1) Excellent grades (2) Instructor approval (3) Recommendation by English teacher, Social Studies teacher, or Guidance counselor (4) Compliance with the Advanced Placement policy as stated in the handbook

729 AFRICAN-AMERICAN STUDIES
(Grade 11, 12 elective) 1/2 credit

This one semester course focuses on the contributions of African-Americans to the American mosaic. Beginning with the Reconstruction period, students survey major events in the history of the United States. Discussion of contemporary issues is a major component of the course.

742 INTRODUCTION TO PSYCHOLOGY
(Grades 11, 12 elective) 1 credit

Introduction to psychology aims to describe and explain how human beings

think, feel, and act. Students will gain insight into such mysteries as the brain, the mind, depression, joy, and memory. The study of psychology will teach students how to ask and answer important questions about human nature, while thinking critically about competing theories and ideas.

743 ADVANCED PLACEMENT PSYCHOLOGY

(Grades 11, 12 elective) AP credit

This course is taught at a college level. The class is an introduction to the scientific logic, facts, theories, and principles of psychology. Specific course topics include human motivation, learning, emotion, thought, memory, intelligence, personality, sensation, and perception. Students take the Advanced Placement exam in the spring.

Prerequisites: (1) Excellent grades (2) Instructor approval (3) Recommendation by English teacher, Social Studies teacher, or Guidance counselor (4) Compliance with the Advanced Placement policy as stated in the handbook

751 SOCIOLOGY

(Grade 11, 12 elective) 1/2 credit

Sociology is a study of our society and culture. This semester course studies institutions, social structures, and the interactions of groups within society.

Foreign Language

The State of Maryland requires two consecutive years of the same foreign language for graduation from a college preparatory high school.

411 SPANISH 1

(Grades 9, 10, 11) 1 credit

This course will give the student an active, flexible command of Spanish. The course stresses listening and speaking through the use of audiovisual material. It also adds the visual reinforcement of reading and writing. Since a language is the voice of a people and reflects a way of life, the student is introduced to the Spanish world as it is lived today.

416 HONORS SPANISH 1

(Grades 9, 10, 11) 1 credit

This course is designed for the student who has had some previous learning experience with the Spanish language but who does not qualify to enter Spanish 2. The course will be taught at a faster pace than Spanish 1 and more time will be spent practicing and reinforcing new skills and concepts. The course employs a highly audiovisual approach in that it stresses listening and speaking skills. It also adds the visual reinforcement of reading and writing.

Prerequisite: (1) Placement test result

412 SPANISH 2

(Grades 9, 10, 11, 12) 1 credit

The purpose of this course is to make the student more proficient in Spanish through written and spoken drill. The four skills of reading, writing, listening and speaking are stressed through the study of grammatical structures and vocabulary and the use of audiovisual material. An appreciation for the culture is also developed.

Prerequisite: (a) Spanish 1 OR (b) Placement Test result

418 HONORS SPANISH 2

(Grades 9, 10, 11) 1 credit

This course is designed for the student who has successfully completed Honors Spanish 1 or who has excelled in Spanish 1. The course will be taught at a faster pace than Spanish 2 and more time will be spent practicing and reinforcing new skills and concepts. The course employs a highly audiovisual approach in that it stresses listening and speaking skills. It also adds the visual reinforcement of reading and writing.

Prerequisites: (1a) B in Honors Spanish 1 OR (1b) A- in Spanish 1 (2) Instructor Approval

417 HONORS SPANISH 3

(Grades 10, 11, 12) 1 credit

This course will enhance the student's conversational skills and grasp of grammar. Students will learn about the history, culture, and geography of many Spanish-speaking countries. Writing skills will be improved through special projects, as well as listening skills through oral exercises. Multimedia aids such as magazines, TV

programs and songs are used to develop these skills.

Prerequisites: (1a) Minimum grade of B- in Honors Spanish 2 OR (1b) B in Spanish 2 (2) Instructor Approval

419 HONORS SPANISH 4

(Grades 11, 12) Honors credit

This course aims to reach the individual students in the advanced stages of foreign language study. This goal can best be accomplished through varied mini-units aimed at increased competency in reading, writing, speaking and listening. These skills are developed through an emphasis on daily conversations in Spanish and the use of multimedia aids such as newspapers, TV programs, videos and songs. The units emphasize the latest Spanish vernacular, covering realistic day-to-day situations. This course will cover the subtleties and nuances of Spanish grammar.

Prerequisites: (1) Minimum grade of B- in Spanish 3 (2) Instructor approval

421 FRENCH 1

(Grades 9, 10, 11, 12) 1 credit

This course introduces the student to basic French grammar and French culture. Students will acquire basic language skills and the ability to communicate basic needs and wishes. The student will gain these skills through a variety of reading, writing, listening, and speaking exercises. Knowledge is enriched through songs, videos, games, and authentic French documents.

422 FRENCH 2

(Grades 10, 11, 12) 1 credit

In French 2, the student will learn new skills as well as build on those acquired in French 1. Grammar and accent are improved as the student learns the nuances of the language and is able to communicate more effectively. An appreciation of French and Francophone cultures is also developed. Multimedia aids such as videos, songs, and magazines enrich the learning process.

Prerequisite: (a) French 1 OR (b) Placement test result

428 HONORS FRENCH 2

(Grades 10, 11, 12) 1 credit

This course is designed for the student who has excelled in French 1. This course will be taught at a faster pace than French 2, and more time will be spent practicing and reinforcing new skills and concepts. The course employs a highly audiovisual approach in that it stresses listening and speaking skills. It also adds the visual reinforcement of reading and writing. An appreciation of French and Francophone culture is developed.

Prerequisites: (1) Minimum grade of B- in French 1 (2) Instructor approval

426 HONORS FRENCH 3

(Grades 10, 11, 12) 1 credit

In French 3, students refine their conversational, listening, and writing skills. There will be a continuing focus on the culture, history, literary works, contemporary life-styles, and artistic achievements of many French-speaking countries. Videos, songs, and translations of authentic French documents are used to further develop fluency and comprehension.

Prerequisites: (1a) Minimum grade of B- in French 2 OR (1b) Placement Test result (2) Instructor approval

425 HONORS FRENCH 4

(Grades 11, 12) Honors credit

In French 4, the students continue to refine their conversational, listening and writing skills, while there is an increased emphasis on accent and nuances. Students continue to explore French culture and literature. Films, songs, and translations of authentic French documents are used to increase fluency and comprehension. The AP exam may be taken at the end of the year.

Prerequisites: (1a) Minimum grade of B- in French 3 OR (1b) Placement Test result (2) Instructor approval

Music**850 MUSIC APPRECIATION**

(Grades 11, 12) 1 credit

This class is for all students interested in music. It is an in-depth overview of the history of music. This class focuses on the development of music from ancient time to the present. This course fulfills the Fine Arts requirement.

851 CHORUS

(Grades 9, 10, 11, 12) 1 credit

Chorus offers the student the opportunity to perform in a large ensemble. Chorus participates in the Fall and Spring choral concerts. Students in Chorus are eligible to participate in Solo and Ensemble Festival, and may audition for P.G. County Honors Chorus and All-State Chorus with permission of the instructor. Content of the course emphasizes good singing habits, introduction to reading music notation, and exposure to a variety of styles in choral literature. No previous choral experience is necessary, but a genuine interest in singing is essential. Students provide their own attire based on guidelines established by the choral program. This course fulfills the Fine Arts requirement.

Enrollment is limited to one year only

894 SETON CHORALE

(Grades 10, 11, 12) 1 credit

The Seton Chorale gives vocally proficient and musically interested students the opportunity to perform in a select ensemble. Skills in vocal production, part-singing, and familiarity with music notation are emphasized, along with introduction to a variety of musical styles. Performances include Fall and Spring concerts, as well as choral festivals, adjudications, and Seton events. Participation and purchase of concert attire are required. The audition for Seton Chorale asks the student to demonstrate an understanding of good singing technique, to sing in tune and match pitch, and to show ability/aptitude for part singing. Preference is given to students currently enrolled in Chorus and to select incoming freshmen. Students not currently enrolled in the choral music program who wish to audition must see Dr. Vadala regarding audition

requirements. This course fulfills the Fine Arts requirement and may be elected for multiple years.

855 CONCERT CHOIR

(Grades 10, 11, 12) 1 credit

Concert Choir is the premier vocal ensemble of Elizabeth Seton High School. Placement is by audition only, with a prerequisite of one year of Chorus. Performing opportunities include school concerts, choral festivals, adjudications, recruiting visits to Catholic elementary schools, and other concert venues. Financial support for private voice lessons is available through Music Boosters. Additional opportunities include auditioning for All-State and P.G. Honors Chorus, and participating in the Maryland Music Educators' Solo and Ensemble festival. This select group strives for the highest standard of musical performance. Course content stresses both individual and choral singing techniques, musicianship, and exposure to a wide variety of choral literature. Concert attire must be purchased by each student. This course fulfills the Fine Arts requirement.

895 HONORS CONCERT CHOIR

(Grades 11, 12) 1 credit

Enrollment limited. Prerequisites include one-year enrollment in Concert Choir, and permission of the director. Students must interview with the Choral Director to discuss requirements before registering. Student participates in regular Concert Choir but meets additional requirements for honors credit. Requirements include, but are not limited to, private voice lessons, solo performance at Solo & Ensemble Festival, auditioning for All State ensembles, music theory assignments, and an end-of-year juried performance.

893 BEGINNING BAND: BRASS CLASS

(Grades 9, 10, 11, 12) 1 credit

This class is an introduction to instrumental music performance. No experience playing an instrument is required. Students will learn the techniques common to playing brass instruments such as trumpet, French horn, trombone, euphonium, and tuba. Reading musical notation will be taught in the course, as well as tone production, musical terms and symbols, instrument care, and good practice habits. Developing pitch memory and rhythmic

accuracy, following a conductor, and analyzing musical performances will be included. School instruments will be used, but some students may want to rent their own instrument after consulting with the teacher. This course will fulfill the Fine Arts requirement.

852 CONCERT BAND

(Grades 9, 10, 11) 1 credit

The concert band is open to all students with previous playing experience. Emphasis is on the development of fundamental skills and ensemble playing. The group performs several times during the school year. Some evening performances and rehearsals will be required. See Music Calendar for details. Private lessons are highly encouraged. Students may be asked to change instruments to complete instrumentation. Purchase of a concert uniform is required.

This course fulfills the Fine Arts requirement and provides opportunities to earn Service Hours.

853 SYMPHONIC BAND

(Grades 9, 10, 11, 12) 1 credit

The symphonic band is the premier instrumental performing organization at Seton. This select group strives for the highest standards of performance, and affords the student an opportunity to perform quality band literature. Placement is through audition only and is subject to balanced instrumentation among and within sections. Performances and rehearsals outside the school day will be required for this course. Performances include Fall and Spring concerts, as well as band festivals, adjudications, and Seton events. See Music Calendar for details. Purchase of a concert uniform is required. Private lessons are strongly encouraged.

This course fulfills the Fine Arts requirement and provides opportunities to earn Service Hours.

892 HONORS SYMPHONIC BAND

(Grades 10, 11, 12) 1 credit

Enrollment limited. Prerequisites include one-year enrollment in Symphonic Band, and permission of the director. Students must interview with the Band Director to discuss requirements before registering.

Student participates in regular Symphonic Band but meets additional requirement for honors credit. Requirements include, but are not limited to, private lessons on major instrument, solo performance at Solo & Ensemble Festival, regular participation in extracurricular ensemble such as youth orchestra, auditioning for All State ensembles, music theory assignments, and an end-of-year juried performance on primary instrument

854 ORCHESTRA

(Grades 9, 10, 11, 12) 1 credit

The orchestra is open to all students with previous playing experience on the violin, viola, cello, or string bass. Emphasis is on the development of individual and ensemble skills and appropriate orchestra literature. Students must have their own instruments. This course fulfills the Fine Arts requirement.

Performances include Christmas and Spring concerts. Concert uniforms must be purchased by each student. Private lessons are highly encouraged.

creating works of art in clay and other materials. Students will create freestanding sculpture while learning both the elements and principles of art as they apply to 3D artwork. Students will also have the opportunity to learn about artists and artistic movements in history. \$45 fee for course materials.

813 CERAMICS & SCULPTURE 2

(Grades 10, 11, 12) 1/2 credit

As a continuation of Ceramics & Sculpture I, this course expands on the concepts learned while students create more sophisticated works of art. Techniques included in this course are carving, ceramics, and some woodworking. Students will continue to learn about artists in history, with a special emphasis on more contemporary artists and ideas. There is a \$55 fee for course materials.

Prerequisite: (a) Ceramics & Sculpture 821 with a minimum average of 85 OR (b) Instructor approval

826 COMPUTER ART

(Grades 10, 11, 12) 1/2 credit

This course is an introduction to using the computer as an art making tool. Students learn basic skills using Photoshop CS3 program. The class will include photo manipulation and adjustment as well as how to create artwork from "scratch." Students must have a good grasp of basic computer technology before being admitted to the class.

Prerequisite: (1) Technology credit with a minimum average of 85

862 DRAWING

(Grades 9, 10, 11, 12) 1/2 credit

This is a beginning course in drawing. Students are not expected to have any prior experience or skills in drawing. This course focuses on teaching students the fundamentals of drawing from observation (what you see) while learning the basics principles and elements of art. The course focuses on line drawing and composition with the use of in-class and sketchbook assignments. \$30 fee for course materials.

Art

Students seeking their fine art credit may mix and match any combination of 1/2 credit course offerings. Upper level art students may take up to two years of Advanced Studio. Fourth year art students may choose AP classes or Honors Advanced Studio.

810 ART SMART-DESIGN BASICS

(Grades 9, 10, 11, 12) 1/2 credit

The fundamentals of art-the elements and principles-are the building blocks used by every artist, fashion designer, architect, interior designer and graphic artist. Learn these basics in a step by step way. This is a good course choice for both the student planning to take several art courses and the student needing to fulfill the basic fine art requirement. No previous art experience is necessary. \$30 fee for course materials.

821 CERAMICS & SCULPTURE

(Grades 9, 10, 11, 12) 1/2 credit

This is an introductory course in sculpture for students who have an interest in

876 DRAWING 2

(Grades 10, 11, 12) 1/2 credit

Students will build on the fundamentals of drawing by adding experience drawing with a variety of art materials like charcoal, conte crayons, and pastels. The focus of this course is on learning a variety of shading techniques to create representational drawings of different subjects including portraiture, landscape, and still life. \$30 fee for course materials.

Prerequisite: (a) Drawing 862 with a minimum average of 85 OR (b) Instructor approval

863 PAINTING

(Grades 9, 10, 11, 12) 1/2 credit

This is the beginning course in painting. Students need not have any prior experience with any painting materials. This course teaches the basics of painting - from how to hold a paintbrush properly to the most basic study of color theory. Learning is supplemented with a textbook and sketchbook exercises designed to support the students' learning of basic acrylic painting techniques. \$30 fee for course materials.

875 PAINTING 2

(Grades 10, 11, 12) 1/2 credit

This course builds on the concepts and techniques learned in Painting I. The focus is on developing technical skills while exploring a variety of materials and styles. Students will work on long term painting assignments to develop their ability to create finished paintings that reflect their personal creativity. \$30 fee for course materials.

Prerequisite: (a) Painting 863 and Drawing 862 with a minimum average of 85 OR (b) Instructor approval

814 ART ASSISTANT

(Grades 11, 12) 1/2 credit

Art Assistants are a valuable part of our art program. Assistants learn more about their area of interest by teaching their peers, assisting teachers in setting up projects, managing classroom activities and other assigned duties. The assistantship program seeks to develop leadership and solidify previous learning while supporting younger students in the department.

Prerequisite: (a) One full Art credit OR (b) Instructor approval

864 ADVANCED STUDIO 1

(Grades 11, 12) 1/2 credit

This course is the extension of the second level classes in painting, drawing and sculpture. Projects are designed to ready the student for college level art studio work while offering an opportunity to use a wide range of materials. Strong emphasis is placed on individual creativity and developing visual problem-solving skills. \$30 fee for course materials.

Prerequisites: (a) One full art credit and Completion of Drawing 876, Painting 875, OR (b) Sculpture 813 with a minimum average of 85 and Instructor approval

865 ADVANCED STUDIO 2

(Grades 11, 12) 1/2 credit

This course is designed to stretch the students' imagination while exploring contemporary art movements. Students will be encouraged to consider a variety of materials including found objects, video, sound, and performance art. A great deal of attention is placed on understanding contemporary art while learning to manipulate a wide variety of materials and techniques. \$30 fee for course materials.

Prerequisites: (1) Advanced Studio 864 with a minimum average of 85 (2) Instructor approval

866 ADVANCED STUDIO 3

(Grade 12) 1/2 credit

This course is aimed at the student who would like to explore and develop an individual artistic style. The responsibility for project choices, materials, and areas of study will rest on the student with a great deal of support and guidance from the instructor. Ability to work independently in a disciplined manner is necessary. \$30 fee for course materials.

Prerequisites: (1) Advanced Studio 865 with a minimum average of 85 (2) Instructor approval

867 ADVANCED STUDIO 4

(Grade 12) 1/2 credit

Senior art students may continue to develop their individual artistic styles while working closely with their instructor to choose materials and subjects appropriate to their goals. \$30 fee for course materials.

Prerequisites: (1) Advanced Studio 866 with a minimum average of 90 (2) Instructor approval

870 HONORS ADVANCED STUDIO

(Grade 12) 1 credit

This course provides an opportunity for the senior art student to create a permanent art installation in the school while continuing her development of an individual artistic focus. To qualify for honors credit a project must be proposed and approved before registration and completed by the end of the school year. \$30 fee for this course.

Prerequisites: (1) Advanced Studio 865 with a minimum average of 90 (2) Department & Instructor approval (3) Project proposal must be approved before summer break

INDEPENDENT STUDY 827 OR 828

(Grade 12) 1 credit

The following independent study courses provide individualized instruction in one of two possible formats: AP Portfolio Development, AP Art History.

**827 INDEPENDENT STUDY
AP Portfolio Development**

AP credit

This course enables the student to make final preparations of her portfolio to submit to art colleges on portfolio days (early December) and to the College Board in May. By completing projects throughout the year, the student will concentrate on enhancing her own individual artistic style and adding to her portfolio of artwork. Instruction and independent exploration of advanced techniques of artistic expression will be tailored to each student's interests and style and will follow the framework for the College Board AP Studio Art course guidelines. This course requires the ability to work independently with high levels of performance and initiative.

Prerequisites: (1) Advanced Studio I and II with a 90 average or better in all art courses (2) Teacher approval (3) Completed summer assignments

828 INDEPENDENT STUDY
AP Art History

AP credit

This course is conducted solely for the student who intends to take the AP History of Art exam in May for college credit. This course follows the suggested guidelines for text materials that must be current each year. Therefore, no late registration for this course will be allowed. This course follows the chronological content and organizational guidelines for AP History of Art courses.

Prerequisite: Advanced Studio I and II with a 90 average or better in all art courses. The student's English and History grades will also be taken into consideration before approval can be granted. Teacher approval. Completed summer assignments.

Physical Education

011 PHYSICAL EDUCATION 1

(Required, Grade 9) 1/2 credit

This course teaches students the basic skills and rules necessary to play a variety of team sports. The course is also designed to teach the importance of physical fitness and to improve each student's overall fitness level. Students are required to run 1/4 mile, without interruption, daily. The class will build gradually toward the goal of a one mile run by the end of the semester.

012 HEALTH

(Grade 9) 1/2 credit

The purpose of this course is to promote healthful living now and in the future. The course deals with contemporary issues associated with good health and stresses the interdependence of physical, mental and social health.

018 WOMEN'S HEALTH ISSUES

(Grades 10, 11, 12) 1/2 credit

This is a classroom discussion and activity class that will focus on preparing students for an active, healthy adult life. This class will also address weight management and control, how to make healthy food choices, and eating without feeling deprived of the foods you enjoy. Classroom discussions will include the components of fitness,

proper nutrition, and disease prevention specifically related to women's health. Activities will include aerobic workouts and weight training.

Prerequisites: (1) Physical Education I (2) Health

040 INTRODUCTION TO DANCE

(Grades 10, 11, 12) 1/2 credit

This course is designed to introduce students with little to no dance experience to four key genres of dance: ballet, modern, tap and jazz. Through daily repetition of balanced exercises in technique, students will develop muscle tone, coordination, flexibility and a mastery of many basic dance skills. Students will explore a variety of rhythms, movements, and ways of expressing themselves through dance. A \$50 fee is required to take this course.

023 KARATE/SELF-DEFENSE 1

(Grades 10, 11, 12) 1/2 credit

The Physical Education Department offers a course in self-defense/Tae Kwon Do. Self-defense teaches discipline, coordination and self respect as well as respect for others. This course offers excellent conditioning while it teaches self-defense. A \$35 fee is required to take this course.

025 KARATE/SELF-DEFENSE 2

(Grades 10, 11, 12) 1/2 credit

This course is designed to teach students advanced techniques in the basic forms of self-defense. Sparring will be introduced at this level. A \$35 fee is required to take this course.

Prerequisite: (a) 023 Karate/Self-Defense OR (b) Orange belt

028 KARATE/SELF-DEFENSE 3

(Grades 10, 11, 12) 1/2 credit

This course is designed to teach students advanced techniques in the basic forms of self-defense. A \$35 fee is required to take this course.

Prerequisite: (a) 025 Karate/Self-Defense 2 OR (b) Purple belt

029 KARATE/SELF-DEFENSE 4

(Grades 10, 11, 12) 1/2 credit

This course is designed to teach students advanced techniques in the basic forms of self-defense. A \$35 fee is required to take this course.

Prerequisite: (a) 028 Karate 3 OR (b) Blue belt

036 KARATE/SELF-DEFENSE 5

(Grades 10, 11, 12) 1/2 credit

This course is designed to teach students advanced techniques in the basic forms of self-defense. A \$35 fee is required to take this course.

Prerequisite: (a) 029 Karate 4 OR (b) Red belt

031 WEIGHT TRAINING

(Grades 10, 11, 12) 1/2 credit

This course is designed for the student who wants to improve her muscular strength and endurance. Students will also work to improve all areas of Physical Fitness. Students will be expected to run 1/2 mile without interruption at the beginning of this course. Students will gradually build toward the goal of running one and 1/2 mile by the end of the course. Students will learn proper lifting and spotting techniques and how to design a program to meet their individual needs and goals. Students who are under the care of a doctor must be cleared by the doctor before they can participate in this class.

032 P.E. ASSISTANT

(Grades 11, 12) 1/2 credit

Students must have completed one credit of Physical Education. Students' duties will include peer teaching, classroom management and general teacher-assigned activities. P.E. Assistants are expected to change for class.

Prerequisite: (1) Physical Education Department Chair approval

038 BODY SCULPTING AND FITNESS

(Grades 10, 11, 12) 1/2 credit

This course is designed to enhance a student's total fitness level. Activities will include but are not limited to kickboxing, choreographed aerobic routines, power walking, body pump with weights, yoga and pilates.

**037 FITNESS FOR THE COLLEGE
ATHLETE**

(Grades 11, 12) 1/2 credit

This is a course for serious athletes, who are interested in participating in athletics beyond high school. The class will be an activity and lecture course. Lecture topics will include nutrition for optimal training, mental preparation, college vs. high school athletics, and NCAA regulations. Activities will include weight lifting, plyometrics, speed, and endurance training.

Prerequisites: (1) Completion of 011, 031, (2) One mile uninterrupted run (3) Physical Education Department Chair approval

Computer Technology

Elizabeth Seton requires students to complete a minimum of 1 Computer Technology credit. All students are required to take 211 Office Productivity (1/2 credit) and a second course to meet this standard. All courses listed are useful to students as preparation for pursuing courses in college.

211 OFFICE PRODUCTIVITY

(Grades 9, 10, 11, 12) 1/2 credit

In this course students learn MLA research paper formatting and the basic computer concepts and terminology of Windows XP and Microsoft Office 2007. Students will use the following Microsoft programs, including Word, Excel, Access, and PowerPoint to learn the essential techniques of formatting effects, columns, tables, charts, graphics, spreadsheets, databases, and presentations.

**239 ADVANCED OFFICE
PRODUCTIVITY**

(Grades 9, 10, 11, 12) 1/2 credit

This course is designed to build on Office Productivity. In addition to mastering Microsoft Office 2007 Word, Excel, Access, and PowerPoint, students will be introduced to Publisher and other software programs used to enhance documents. The exercises and projects completed throughout the semester will challenge students beyond the basic computer literacy level. It is recommended that a student complete this course the

semester following Introduction to Office Productivity.

Prerequisite: (1) Completion of 211 Office Productivity

**236 INTRODUCTION TO
GRAPHIC DESIGN**

(Grades 9, 10, 11, 12) 1/2 credit

This course will introduce the student to the basics of graphic design using various programs in the Adobe Suite including Photoshop, Illustrator, and InDesign. Emphasis will be on print media, and the integration of text and image. The student will learn how to design both attractive and effective pieces of work. The student must demonstrate a high level of computer literacy before being admitted to the class. This course will include a Production Fee of \$20.

Prerequisites: (1) Completion of 211 Office Productivity (2) Instructor approval

**247 INTRODUCTION TO
WEB PAGES**

(Grades 9, 10, 11, 12) 1/2 credit

This course will introduce the student to the basics of web page design using HTML. The student will learn to design attractive pages with effective use of images, graphics, hyperlinks, and tables. The course will also cover the use of copyrighted vs. public domain material in the creation of a web page. Students may collaborate on updating an actual web page for public use.

Prerequisites: (1) Completion of 211 Office Productivity (2) Instructor approval

361 PHOTO JOURNALISM

(Grades 10, 11, 12 elective) 1 credit

Students in this course will be responsible for publishing the school yearbook, *Caritas*. Instruction and practice will be given in the following areas: layout and design using Adobe InDesign software, copy and caption writing, headline writing, proofreading, and photography. Students will be required to meet all deadlines. Students MUST have an excellent command of grammar, a love of writing, and an interest in journalism. Students will be responsible for raising funds through advertisements.

Maximum Enrollment: 15

Prerequisites: (1) B in English or Computer Art (2) Students must be able to stay after school occasionally for yearbook work sessions (3) Instructor approval

250 CIT LAB ASSISTANT

(Grades 11,12) 1/2 - 1 credit

Assists the students and teacher in the computer lab. Needs to have a working knowledge of the equipment and software used in the computer lab.

Prerequisites: (1) Completion of 1.5 Computer Technology credits (2) Instructor approval

256 JAVA PROGRAMMING

(Grades 10, 11, 12) 1/2 credit

This course will teach the basics of Java programming, including methods, classes, and objects. In addition, control structures, data types, sorting, and arrays will be explored. Students will also be introduced to programming documentation standards.

Prerequisites: (1) Completion of 1/2 technology credit (2) Completion of Geometry with a minimum grade of B or Honors Geometry with a minimum grade of B-. (3) Approval of Department Chair. *This course may be taken concurrently with second semester of Geometry with approval of Guidance Department and Technology Department Chair.*

257 AP COMPUTER SCIENCE A

(Grades 11,12) 1 AP credit

This course is designed for the student with a strong interest in computer science who wishes to further explore the programming concepts introduced in the Java Programming course. Students are expected to spend 3 hours per week in a computer lab outside of class time and are expected to take the AP Computer Science A exam.

Prerequisites: (1) Completion of Java Programming with a minimum grade of B- (2) Completion of an honors course in Mathematics or Science with a minimum grade of B-.

Maryland State & Elizabeth Seton HS Requirements

Elizabeth Seton High School is accredited by the Maryland State Department of Education and the Middle States Association of Colleges and Secondary Schools. The School requires a minimum of twenty-four credits for a diploma. Ordinarily no half-credits are given for full credit courses. Students must have the following minimum number of credits (excluding religion) before they may be promoted to the next year level:

Freshman	5 credits
Sophomore	11 credits
Junior	17 credits

A student is required to carry a minimum of 6 1/2 credits each academic year. The number of credits for each course is stated in the course description. As Elizabeth Seton High School is a college preparatory high school, students are encouraged to take a fourth year of mathematics and a third/fourth year of a foreign language.

GRADUATION REQUIREMENTS

DISCIPLINE	UNITS
Religion	4*
English	4
Social Studies	3
Mathematics	3
Science	3
Foreign Language	2
Fine Arts (Music, Art)	1
Physical Education	1*
Health	1/2
Computer Technology	1
Electives (as needed)	—
	24

* Seton Requirements

