

Delbarton School

Program of Studies

Delbarton offers a wide range of courses designed to give the student a comprehensive and in-depth background in the liberal arts in preparation for his college years. Most courses are required; some electives are offered in the eleventh and twelfth grades.

The requirements for graduation from the Upper School are: four years of English, Mathematics, and Physical Education/Health; three years of History, including Ancient, European, and American; three years of Science, comprised of Biology, Chemistry, and Physics; three years of a single foreign language; five terms of fine arts and music (three at an advanced level); two terms of Religious Studies each year for four years; two terms of Computer Science; one term of Language Arts and one term of Leadership. Students are required to take five full-year majors each year. In the junior and senior year, student may choose electives to complete the five-course-per-year requirement necessary for graduation. Graduation depends upon successful completion of all the above requirements.

In the Middle School a student is required to complete successfully: two years of English, Mathematics, Language, Science, Humanities, and Physical Education/Health; one term each of Computer Science, Music and Art; and two terms each year of Religious Studies. Movement into the Upper School depends upon the successful completion of all these requirements.

This Program of Studies is for informational purposes only. By listing a course, Delbarton School does not guarantee that the course will be offered each year. No agent of the school is authorized to guarantee admission to a particular course, or guarantee that a student will have a particular teacher, or guarantee that a student will take a course in a particular term. Delbarton School reserves the right to cancel any course or change faculty. It also reserves the right to change policies stated in this Program of Studies.

ART

Art Department courses are designed to develop the following: the ability to think originally and inventively within the creative possibilities of the artist's media; competency in the basic techniques of the visual arts increased sensitivity and awareness in observation; comprehension of the society and culture which the artist inherits; discernment in the judgment of aesthetic values.

Art Department courses are designed to develop the following: the ability to think originally and inventively within the creative possibilities of the artist's media; competency in the basic techniques of the visual arts; increased sensitivity and awareness in observation; comprehension of the society and culture which the artist inherits; and discernment in the judgment of aesthetic values.

AR050 Art 08 2cr {08} RQ

This is a one-term introduction to a variety of art experiences which develops visual awareness and respect for the creative process. Color and line are emphasized through drawing and painting exercises and art vocabulary is introduced to enable verbalization of aesthetic experiences.

AR201 Introduction to the Visual Arts 2cr {10} FA RQ

This one-term course is an introduction to the basic elements of art through projects involving studies in positive and negative relationships: value, color, space, form, and line. Basic skills in manipulating tools and materials are stressed with an emphasis on observation to develop aesthetic awareness. Studio experience is supplemented by films in areas of creativity and technique. Upon completion of this course, students with exceptional abilities, interest, and motivation in the arts may qualify for the AP Studio Art Program. Presentation of their art portfolio and recommendation by art department faculty are required.

AR401 Studio Art 6cr {11,12} EL FA [AR201]

This three-term course engages the student in a variety of studio programs. Basic principles involving drawing, design, perspective are subsequently reinforced through painting and printmaking. Three-dimensional work is explored through ceramics which is presented via the traditional hand-building and wheel methods. Studio experience is supplemented by sketch-book assignments, audio-visual aids, computer applications, and a museum field trip. When schedule permits or student interest warrants, a unit on photography may be offered. (Juniors who qualify as candidates for the AP Studio Art Program must take this course as a pre-requisite. Upon completion of this course, juniors must re-submit their portfolio to the art department faculty for review and evaluation of student performance in order to continue in the AP Art Program.)

AR402 Film Production 6cr {12} EL FA

Students will be examining classic works of American cinema including those by Ford, Coppola, Scorsese and Wilder. International directors such as Kurosawa, Fellini, Meirelles and many others will round out our canon of film history. The students will also learn the intricacies of screenwriting, completing their own short scripts in the winter term. Throughout, the emphasis will be on answering the age old question of "how do you make a movie?" The class will be immersed in all aspects of production and post-production, completing a thesis film as a group by the end of the year.

AR403 Form and Sculpture 6cr {12} EL FA (AR201)

This year long course would be open to all seniors and would fulfill their fine arts requirement. The course is designed to review the elements and principles of art the student has learned in previous art classes and apply these principles to the field of three dimensional design. This course would be sequential in nature and begin with an overview of the history of sculpture followed by the theory and aesthetics of art which would then lead the student into the actual production of three dimensional design. Some sculptural media could include clay, wire, wood, plaster, plastic, recycled materials, and found objects. At this point it would be expected that the student would:

- Create original works of art both individually and in groups
- Research related historical connections and present those findings in a written or oral presentation
- Critique his outcome and experiences

AR602 Advanced Placement Studio Art 6cr {12} FA [AR401 DptRec]

For approved AP Portfolio candidates, mastery of the art fundamentals is stressed upon entering the program. This course allows the student to explore and express areas of individual interest while enhancing technical skill. In September, the student must choose one of three areas of classification – Drawing Portfolio, Two Dimensional Design Portfolio, or Three-Dimensional Design Portfolio. Concepts and techniques of a more complicated nature are studied with further emphasis on portfolio preparation including original and slide formats. Candidates are expected to present their art work to the School in the annual AP Student Art Exhibition.

AR606 Advanced Placement Art History 6cr {11,12} FA

AP Art History is an historical survey of Western art from Altamira to Albers with an emphasis on painting, sculpture and architecture. The first term covers Paleolithic through Greco-Roman; the second, early Christian through the Renaissance; the third, Baroque through the twentieth century. Heavily supported by slides and videos, the emphasis is on analysis of particular works of art. Class and individual trips to NYC museums as well as guest lecturers supplement the course.

CLASSICS

The Classics Department at Delbarton School seeks to enrich students' preparatory education by developing their ability to read and appreciate Latin literature and by examining aspects of Roman culture from which this literature originated.

LT001 Middle School Latin 1 6cr {07} RQ

This introductory course is taught by the word order method, which makes the reading of Latin the central focus of the course. The textbook *Ecce Romani* enables the student to read very simple prose at the outset of the course. These prose passages form a continuous narrative about an upper class Roman family. Other aspects of Roman life are explored in supplementary essays.

The language skills of speaking, listening, writing and reading are all used in the reading of the passages and in the completion of the workbook exercises. Awareness of patterns in the endings of words is emphasized through oral reading and exercises designed to highlight recurrent endings before grammatical explanations are introduced. The students are led to discover how Latin makes sense through their own observations.

By these methods the course covers the five cases, their basic uses, the first three declinations, the four conjugations, the concept of principal parts, and the introduction of approximately 400 vocabulary words.

LT050 Middle School Latin 2 6cr {08} RQ

This course covers the material in the third and fourth volumes of the *Ecce Romani* series. The word-order method is the same. As the prose readings become more challenging, the student is encouraged to use intuition, common sense and English associations to predict the meanings of Latin words in context. There is a great emphasis on oral reading with proper attention to intelligent phrasing and intonation. New grammatical points are reinforced by translating English into Latin. Explanations in the text are concise and clear with little attention to peculiarities, exceptions, and technicalities that are used very rarely. Nevertheless, the traditional features of grammar are developed from the basis formed in the seventh grade course. The passive voice in all tenses is introduced along with the following topics: comparative and superlative adverbs and adjectives, deponent verbs, time and place constructions, the present active participle, various uses of the cases beyond the basic uses introduced in the seventh grade and gerunds.

A wide variety of cultural topics is covered in English essays, which supplement the continuous Latin narrative about an upper class family's travels to Rome. These topics include dining, education, hospitality, the bustle of city life, the social and engineering accomplishments of the Romans, and ancient leisure activities, such as chariot racing.

LT101 Latin I 6cr {09,10} LA

This introductory course incorporates the same methods and similar content as the seventh and eighth grade course. Using the *Ecce Romani* series the student quickly develops the ability to read simple Latin. The course stresses reading skills and is supplemented with occasional grammar exercises.

LT201 Latin II 6cr {09,10,11} LA [LT101 or LT001 & LT050]

This course comprises students who started Latin in the ninth grade and students who choose to continue the study of Latin after two years of study in the Middle School.

The third and fourth units of the *Ecce Romani* series are used. As in Latin I the course emphasizes translation. Grammatical features are emphasized through reading. The last month of the course is spent reading actual Latin prose and poetry in order to prepare the student for Latin III.

LT301 Latin III 6cr {10,11,12} LA [LT201]

This course is designed to enable students to read and assess Latin literature within its historical context. The legends and history of the Roman Republic are examined in short selections, which become increasingly complex as the year progresses. The concepts of heroic identity and myth are discussed within the framework of the Roman vision of the ideal man and the ideal state. Review exercises are used to reinforce the understanding of the more complex aspects of Latin grammar, such as conditional sentences, and various uses of the subjunctive. Rhetorical devices and figures of speech are discussed in the context of readings. Outside research papers are assigned on selected topics of Roman history. The students are made familiar with the position of Latin in the history of language. Selections of medieval Latin, neo Latin, and ecclesiastical Latin are read occasionally to acquaint students with the enormous historical span of Latin literature.

LT401 Latin IV 6cr {11,12} AP LA [LT301]

This course offers a student the option of a third or fourth year of Latin study without taking the Advanced Placement course. Selections are read from Virgil, Catullus, Horace, Cicero or Ovid. Emphasis is placed on literary analysis.

LT405 Latin V 6cr (12) LA (LT401 or LT602)

Latin V offers a fifth year of study to a student who has a background in AP Latin or Latin IV. Various authors are read, including Terence, Plautus, Cicero or Ovid.

LT602 Advanced Placement Latin 6cr {11,12} LA [LT301 DptRec]

This course is designed to prepare the students for the Advanced Placement exam on Virgil's *Aeneid*. The students translate Books I, II, IV and VI. Emphasis is placed on the literary analysis of the *Aeneid* within the epic tradition. Selections of the *Iliad* and the *Odyssey* are read in conjunction with parallel scenes in Virgil's work. Oral reading, attention to meter, and the use of poetic devices are covered throughout the year. There is also sight reading assigned from Virgil and other authors to be completed in class. Tests consist of translation questions and short essays.

In alternate years this course covers the Catullus and Horace syllabus for the Advanced Placement exam. This allows juniors who are advanced in their study of Latin to take two years of Latin at the Advanced Placement level.

GR103 Ancient Greek I & II 6cr {11,12} [DptRec]

This course is offered to those students wishing to complement three years of modern language with one year of an ancient language. It also provides a student who plans a classics major at college the opportunity to be better prepared for such a major. The course is taught at a more intensive pace than other first year language courses. It is expected that all Ancient Greek grammar and syntax will be covered. In addition a few selections from Homer's *Iliad* will be read.

COMPUTER SCIENCE

The Computer Science Department offers a wide range of classes in various applications, technologies, and programming. We stress independent thinking and problem solving as we teach students how to use online resources and tutorials. These are important skills that will serve them well in the future. All students are required to take a one-semester course in Computer Science in 7th, 9th, and 11th grades.

Seventh graders must take CS112 Microsoft Office 2007. New 9th graders must take CS212 Microsoft Office 2007 Plus, unless they are already competent in the subject and pass an Office Waiver test. In that case, they can choose any one-term computer science elective. Returning 9th graders can choose any one-term elective except CS212. Seniors have the option of taking a full-year elective in AP Computer Science in JAVA.

CS112 Office 2010 - 2cr {07} CS RQ

This course is intended as an in-depth introduction to the Microsoft Office 2010 software packages. An introduction to computers will be followed by hands-on lab examples and projects in Word (Creating and Editing a Document; Creating a Research Paper; Writing a Business Letter and a Resume), Excel (Creating a Basic Worksheet and an Embedded Chart; Formulas, Built-In Functions, Formatting, and Web Queries; What-If Analysis, Charting, and Working with Large Worksheets), and PowerPoint (Creating and Editing a Presentation; Creating a Presentation with Illustrations).

CS212 Office 2010 I Plus {09} CS EL

This course is intended as an in-depth introduction to the Microsoft Office 2010 software packages. An introduction to computers will be followed by hands-on lab examples and projects in Word (Creating and Editing a Document; Creating a Research Paper; Writing a Business Letter and a Resume), Excel (Creating a Basic Worksheet and an Embedded Chart; Formulas, Built-In Functions, Formatting, and Web Queries; What-If Analysis, Charting, and Working with Large Worksheets), Access (Creating and Using a Database; Querying a Database; Maintaining a Database) and PowerPoint (Creating and Editing a Presentation; Creating a Presentation with Illustrations).

CS164 Photoshop CS4 (2cr) { 09, 11} CS EL

This course introduces the students to graphic design and photo manipulation using Adobe Photoshop CS4. The course is project-based and the students will work on a variety of interesting projects. From creating CD covers and movie posters to putting someone's face on another person's body. Some of the topics covered include filters, selecting, text, blending options, photo enhancement and layers.

CS172 Flash CS3 (2cr) {09, 11} CS EL

This project-based course introduces students to Flash CS3. With Flash, students create animations, slideshows and interactive graphics primarily for the internet. Topics covered include drawing tools, shapes, layers, the library, symbols, motion tweening and shape tweening.

CS253 Dreamweaver CS3 & HTML (2cr) {09, 11} CS EL

This class is a hands-on, project-based class in which the students will learn the basics of Dreamweaver and web development. Students first learn basic HTML code and then move on to use Dreamweaver to write the code. Students will develop and improve a personal website throughout the term using the techniques learned.

CS263 Digital Photography (2cr) {09, 11} CS EL

This hands-on course will introduce students to digital photography in both color and black & white. Some of the topics covered will be composition, shutter speed, aperture settings, depth-of-field, lighting and resolution. Students will learn how to use Photoshop CS4 to edit, touch-up, enhance and manipulate their pictures. Each unit will start with the class viewing samples from expert photographers. The students will learn the techniques for this type of photography and then have to create a portfolio of this type of work.

CS270 AutoCAD (2 cr) {09,11} CS EL

This course is designed to give students a solid foundation in AutoCAD. AutoCAD, which was developed by Autodesk, is the industry leader in CAD (Computer aided Design) software. The course is project-based and will introduce the basic skills needed to design and draft in AutoCAD. This class is ideal for students interested in pursuing careers in engineering or architecture.

CS223 Introduction to JAVA Programming (2cr) {09, 11} CS EL

Students are required to design and solve problems with a computer by using a sophisticated object-oriented programming language, Java. Topics covered include an overview of computers and programming languages, the basic elements of a programming language, an introduction to objects, processing input and output, selection control structures, and repetition control structures. This course is a pre-requisite for AP Computer Science in Java- CS604.

CS604 AP Computer Science in JAVA 6cr {12} CS EL

This course is designed to be a full year college-level computer science course for the advanced student in preparation for the Computer Science A Advanced Placement Examination. This course is intended for potential computer science majors or any student interested in a more technical field. Topics covered include programming with Java including basic program elements, control statements, defining and using classes, ways to improve the user interface, arrays and their manipulation, recursion, complexity, and searching and sorting. We will examine working with linear and unordered collections, trees and priority queues. Additionally, we will study object-oriented design and programming and develop software following the software development life cycle through various case projects. At the conclusion of the course, the students will take the AP Computer Science A exam administered by the College Board.

ENGLISH

The English Department contributes to the students' intellectual development and teaches them essential language skills. In our English classes, literature is used as a means for exploring issues in the world, but the literary work is also treated as an object of study in itself; we teach students about the meanings of works and how those meanings are created. In the teaching of writing, we draw from a variety of approaches to meet students' individual needs. We teach essential elements of good writing, such as grammar and essay structure, but we also emphasize that writing is a way of exploring and developing one's ideas.

EN001 English 07 6cr {07} RQ

Seventh grade English begins with the premise that good thinking skills are central to the fulfillment and success of our students at Delbarton and beyond. Related to this assertion is the conviction that thinking, reading, speaking, and writing are closely related. The focus of this student-centered class is on experiencing language as writer, speaker, and reader, with an emphasis on the student's developing writing skills. The aim is to make literature a lively part of the student's academic and personal life. The class encourages the students to think interpretively and explore the written word as a living entity, full of mystery and wonder. The texts for the course cover a wide range, while maintaining a central theme of character development. Such literary works as *To Kill a Mockingbird*, *Twelfth Night*, *Beowulf*, *Treasure Island*, and *The Hobbit* form the core of works studied. In addition, students will explore poetry and selected short stories throughout the year as they begin to learn the particular aspects of each genre. Expanding each student's vocabulary and understanding the basic elements of grammar usage are integral parts of the seventh grade curriculum.

EN050 English 08 6cr {08} RQ

Eighth grade English provides an introduction to different genres, including the novel, the short story, poetry, and drama. While studying each literary form, students focus on improving reading comprehension skills, following character development, looking at structural aspects of the texts, and examining thematic trends. Alongside this study of literature, students focus on learning the art of formal writing, examining both expository and narrative writing. Students study the writing process and work to develop solid paragraphs and analytical essays in the five-paragraph format. As a part of the writing process, students also study basic elements of English grammar and usage (Sadler-Oxford's *Grammar for Writing*) and vocabulary (*Vocabulary for the College Bound*, level green). Literary works may include the following: *Animal Farm* (Orwell), *Of Mice and Men* (Steinbeck), *The Chosen* (Potok), *Lord of the Flies* (Golding), *Much Ado about Nothing* (Shakespeare), *The Diary of a Young Girl* (Frank), *The Adventures of Tom Sawyer* (Twain), *How to Eat a Poem* (The American Poetry and Literacy Project), and selected American short stories.

EN101 English 09 6cr {09} RQ

Ninth grade English concentrates on developing fundamental language skills. The teaching of composition in ninth grade focuses on clear and logical written expression using the process approach. Attention is paid to learning prewriting techniques, developing a thesis, creating unity and coherence in a paragraph, linking ideas logically in a longer essay, and drafting and revising. Grammar instruction will review and reinforce the importance of correct punctuation, word choice, and sentence variety. By the end of the year, students will demonstrate competence in a five-paragraph analytical essay. Writing assignments may also include descriptive, narrative, and personal writing. In the study of literature, attention is paid to developing close reading skills, understanding important literary terms, understanding formal aspects of the literary work, and examining themes. Class discussion and writing will focus on the literary work

itself and on making connections between the text and students' own lives as they begin to recognize the universality of the themes of the classic texts studied. Vocabulary study encompasses word attack skills and vocabulary from the literary context. Students will study the elements of short stories and poetry. The course will also focus on the heroic archetype in literature, including the classical, tragic, and modern hero. Literary works studied may include the following: *The Odyssey* (Homer), *Antigone* (Sophocles), *Julius Caesar* (Shakespeare), *Great Expectations* (Dickens), *Greek Gods and Heroes* (Graves), and selected short stories and poetry.

EN106 Language Arts 2cr{09}RQ

So that students may become better communicators, they are required in the freshman year to take one term of language arts and speech. Students will study English grammar, usage, sentence structure, and writing as well as different forms of public speaking. In addition, students will create a variety of projects which will be designed to broaden each students' understanding of technology.

EN201 English 10 6cr {10}

In tenth grade English, students focus closely on the detailed characteristics of genre through reading and studying poetry, short stories, dramatic works, novels, and nonfiction. Themes explored in the sophomore year include "coming of age" and family relationships (texts may include *The Catcher in the Rye*, *Adventures of Huckleberry Finn*, and *Romeo and Juliet*) and issues in European History (texts may include *1984*, *Maus*, and *A Tale of Two Cities* or *Oliver Twist*). Instruction in writing stresses such skills as assembling, organizing, outlining, and revising the multi-paragraph analytical essay. Most of the writing in the sophomore year consists of literary analysis. Students will also learn to write different types of essays, which may include the narrative, descriptive, and compare/contrast essay. Students continue to develop the ability to write clearly, cogently, and correctly. Additionally, emphasis is placed on appropriate word choice, MLA format, and transitional devices as students strive to achieve clarity in their writing. In-class writing to encourage the development of voice and student thinking is an important part of the sophomore year. Also integral to the curriculum is continued work on developing the students' vocabulary.

EN301 English 11: American Literature 6cr {11} RQ

The eleventh grade curriculum stresses close-reading skills, extensive reading of major works of American literature, and analytical writing. As the students read selected works from 19th, 20th, and 21st century authors, they will explore some of the complex, often contradictory, themes which make up the American identity. They will develop critical thinking skills as they examine closely the context of the ideas behind these works and our cultural identity. The reading, both classic and contemporary, reflects a range of the American experience. Classic texts may include works by Nathaniel Hawthorne, Herman Melville, Ralph Waldo Emerson, Henry David Thoreau, Edgar Allan Poe, Frederick Douglass, F. Scott Fitzgerald, and Ernest Hemingway. Students will also read related contemporary texts by such authors as Jon Krakauer and Sherman Alexie in order to explore the contemporary relevance of themes concerning American identity. Poetry by Whitman, Dickinson, Hughes, and Frost, among others, and selected short stories are also studied. In writing, juniors will continue to develop their skills in writing the structured analytical essay, the persuasive essay, and the compare/contrast essay. They will also focus on close-reading explications using textual support to integrate their understanding of the reading into their writing. Emphasis on MLA format, vocabulary development, and shorter, in-class responses will also be integral aspects of the junior year curriculum.

EN401 English 12: Literary Masterpieces 6cr {12} RQ

In twelfth grade, students will study great works of world literature to learn more about themselves and what it means to be human and alive in a specific place and time. This exploration will focus on many literary forms – the novel, drama, and poetry. From the Elizabethan age to the post-modern era, class readings will encourage students to understand multiple human perspectives. A central theme students will explore is man’s “search for identity” as it has been conveyed through literature. Students will read Dante’s *Inferno*, Shakespeare’s *Othello*, and Shelley’s *Frankenstein*. Other readings will include Romantic poetry and, in the spring, more contemporary voices, such as Philip Roth and Tim O'Brien, to provide opportunities for students to examine man’s living circumstances in the modern world. Throughout the year, writing instruction will focus on expressing views effectively and on interpreting each text with the author’s perspective in mind. Continual development and refinement of students’ critical and analytical writing will be emphasized.

EN403 Theatre Studies 6cr [12] EL FA [DptRec]

This course is an introduction to the study of drama and live theater performance. Students will use the Fine Arts Center stage as a focal point for much of their work, while reading diverse scripts and learning to appreciate the structure and history of dramatic art. Students will learn about historical changes in dramatic presentation, and the history of the actor’s changing preparation methods. The course will introduce Ancient Greek tragedy, Roman comedy, and the formal Elizabethan stage. As well, students will encounter Modern theater, 20th Century American dramatists and contemporary stagecraft. Students will act, direct, and produce staged readings and other scripted dramas. Students will interpret and deliver monologues, soliloquies, and act in extended dialogues with other actors. Participation in this class will expose students to performance preparation techniques which they can use in everyday situations in order to assume leadership roles in small and large groups.

EN404 Creative Writing 6cr {11-12} EL FA

This course is offered as an elective to seniors who enjoy writing and wish to develop their skills by experimenting with different forms of writing. Students will be given the opportunity to write a variety of creative pieces (short stories, poems, plays); to learn to evaluate and revise their work; to share with one another in a small workshop-style class and to assemble individual portfolios.

EN602 AP English Literature and Composition 6cr {12} EL [DptRec]

In twelfth grade, Advanced Placement English Literature and Composition is available to qualified students who are ready for a more specialized English course. This program is intended to offer challenging college-level material and to engage the student in the critical reading and analysis of literature. Students should be expected to be assigned approximately one hour of homework per night. In addition, frequent writing assignments will require the student to respond analytically and in depth to the literature he reads. At the completion of this program, the student takes the AP English Literature and Composition Examination administered by the College Board in order to achieve college credit and/or placement in higher-level college English courses.

HISTORY

The program in the History Department leads the student to a knowledge of man as he lived in the past and as he relates with society in the present, so the student might comprehend the complexities of his own life and be capable of making mature judgments regarding men and ideas of his own time. In the acquisition of skills and knowledge in history and social sciences, the student is challenged beyond simply mastering certain factual data. He develops his intellect through practice in the skills of analysis and synthesis. He learns how historians and social scientists select evidence and make use of primary and secondary sources. He is encouraged to grow intellectually through active class participation, through extensive reading assignments, through writing interpretive and research essays, and through independent work in primary and secondary sources.

HS001 World Cultures 07 6cr {07} RQ

This course is designed to provide the student with an "insiders" perspective of the various cultures of the world. Specifically, it encourages the student to view civilizations very different from his own with a sensitivity and appreciation for the richness and diversity of mankind. In short, the course has as its focus the exploration of the various customs, values, histories and lives of the world's peoples. Such an exploration is intended to challenge the student to reflect on his own Western culture as well as on our common humanity. The contents of this course are examined through lectures, readings, films, discussions and activities.

HS051 US History 08 6cr {08} RQ

This course will explore the major themes of United States history from the Age of Exploration to the Civil War. Heavy emphasis will be placed on the Age of Exploration, Colonial development, the American Revolution, the Constitution and the Civil War. Because of the significant role our local (Morristown New Jersey) history has played in many of the above events / issues, we will examine the local history concurrent with the national development of the country. The overriding questions that we will ask as we go through the "big picture" historical development of the nation will be: What was happening in Morristown New Jersey during this time period? and What role did Morristown New Jersey play in shaping this country's development?

As an age appropriate measure, a variety of local field trips will be woven into the curriculum, such as: Jockey Hollow, Washington's Headquarters, Waterloo Village, Ellis Island, Local Indian Tribes, etc.

HS101 Ancient and Medieval History 6cr {09,10} RQ

The student is introduced to the discipline of history by a selective approach to themes recurrent in the ancient civilizations of the western world. The student learns the basic historical methodology through a use of primary and secondary sources. Increasingly the student is encouraged to draw his own conclusions and insights about history. The important civilizations of Mesopotamia, Egypt, Greece, and Rome are studied as is the Medieval period.

HS201 European History 6cr {10,11} RQ~HS605 [HS101]

This course surveys the years 1450 - present. Topics treated include: Renaissance and Reformation, dynastic and religious wars, Absolutism, Revolutions, Nationalism, Totalitarianism, economic life of the world community, and other topics in cultural and intellectual history. Students read, discuss, and analyze, in document form, the works of major historians. The textbook provides a basic chronological survey, and students utilize primary and secondary sources as provided by the instructor.

HS301 American History 6cr {11,12} RQ~HS605 [HS201 or HS602]

The required course in the junior year is a chronological survey of American History from the period of exploration to the 1960's. Concentration on certain topics (as determined by the individual instructor) in political and social history superimposes a topical framework on the chronology. Areas of concentration include: Puritanism, colonial democracy, the Revolution, Constitution and the development of political parties, Jacksonian Democracy, causes of the Civil War and pre-war reform, slavery and abolition, freedom and migration of the black American, populism and progressivism, war and diplomacy in the 20th century, the growth and role of the federal government and the presidency in the twentieth century.

HS400 Contemporary Issues 6cr {12} EL

This course examines the key problematic issues in our world today and relates the general trends of the 20th century to the current events of the 21st century. The course focuses on economic, scientific, cultural, political, and military issues which affect all areas of the globe. Topics covered include the Arab-Israeli conflict, modern Africa, our current global economic crisis, global warming, the global dependence on oil, alternative energies, and a history of terrorism throughout the 20th Century. All major current events will be discussed daily.

HS403 International Relations 6cr {12} EL

This course examines both the twentieth century history of the United States in foreign affairs and contemporary issues of international relations. By examining the rhetoric and actions of key US actors, it encourages students to try to understand foreign cultures, different economies and various ideologies. Finally, the course enables students to begin an evaluation of various foreign policies and of the nature of the world order.

HS405 Introduction to Philosophy 6cr {12} EL [DptRec]

The discipline of philosophy attempts to develop a comprehensive vision of the world and human existence. This course introduces students to the fundamental philosophical questions concerning the nature of reality (metaphysics), the possibility of knowledge (epistemology), and the nature of value (ethical theory) by engaging seminal thinkers including Plato, Aristotle, Descartes, Locke, Hume, and Kant. The course content is examined through primary and secondary source materials, lectures, films, oral presentations, student projects, and class discussions.

HS602 AP European History 6cr {10} EL [HS101, DptRec]

The course treats the major historical events of the period from the Reformation to the middle of the twentieth century. Emphasis is placed upon the political, economic and social developments of the period. Students are asked to engage in historical interpretation of documents and emphasis is placed upon analytical interpretation of historical events. Extensive reading in the works of major historians is required. Specific test skills are also treated. At the conclusion of the course, students take the AP European History exam, administered by the College Board.

HS604 AP World History 6cr {12} EL [Dpt Rec]

AP World History offers motivated students the opportunity to immerse themselves in the processes that, over time, have resulted in increasing interactions of different peoples, societies, and cultures. The purpose of the course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies as well as comparisons among major societies. This understanding is achieved through a combination of factual knowledge and analytical skills. Students learn to "do history" by learning the steps a historian would take in analyzing historical events and evidence. The course offers balanced global coverage, with Africa, the Americas, Asia, Europe, and Oceania all represented.

HS606 AP American History 6cr {11} EL [HS201 or HS602, DptRec]

The course considers the political, social and economic development of the US from the period of exploration through Gulf War II. Students interpret historical documents and evaluate historical interpretations. The works of outstanding historians are read. Significant attention is given to research, essay writing, and analytical skills required for test taking. At the conclusion of the course, students take the AP US History exam, administered by the College Board.

HS 609 AP US Government & Politics 6cr {12} EL [DptRec]

This course undertakes an academically rigorous study of the structure and function of American Government. It is designed to provide students with an understanding of the formal and informal institutions of the US Government and the contribution each makes to the policy making process which influences our daily lives. Students will also study the relationship of the individual to government through political parties, interest groups, elections, and the media. In addition to content material, students will develop writing, critical thinking, research, and oral argument skills. At the conclusion of the course, students will take the AP US Government and Politics exam administered by the College Board.

HS610 AP Macro Economics 6cr {12} EL [DptRec]

This is an introductory course in economics and includes consideration of individual and collective action conditioned by the availability of scarce resources. Students will develop an understanding of economic problems that face individuals and societies. Course content will deal with the following macroeconomic topics: Determinants of aggregate employment and national income, evaluation of government policies to alleviate inflation and unemployment, money and the banking system (Monetary Policy), International Trade and prospects for world trade. The course explores differing points of view in answering the four central questions confronted by any economic system: (1) What determines what is to be produced? (2) What determines how it is to be produced? (3) What determines how a society's productive output is distributed among its members? and (4) What determines the rate at which a society's productive capacity will grow? At the conclusion of the course the students take the AP MacroEconomics exam, administered by the College Board.

LANGUAGES

The Modern Language Department endeavors to train students to function effectively in the target language in all four language skills: listening, speaking, reading and writing. Cultural awareness is an integral part of the core program on all levels, and is enhanced through the use of supplementary readings, films, web sites, field trips, Modern Language Clubs, and foreign exchange programs. Use of the language laboratory is also a prominent feature of all programs.

FR001 French Ia 6cr {07} and FR050 French Ib 6cr {08}
GE001 German Ia 6cr {07} and GE050 German Ib 6cr {08}
SP001 Spanish Ia 6cr {07} and SP050 Spanish Ib 6cr {08}

This two-course sequence in the Middle School covers (over a two-year period) the same material described in level I courses below.

FR101 French I 6cr {09,10} LA
GE101 German I 6cr {09,10} LA
IT101 Italian I 6cr {09,10} LA
SP101 Spanish I 6cr {09,10} LA

This program of immersion in the target language emphasizes the development of listening comprehension skills. The first year student also learns to speak on a variety of everyday topics as well as perform basic routines of daily conversation. The student learns to read simple material and write what he can say. In addition to developing these communication skills, the student gains an understanding of the culture of the target language.

FR201 French II 6cr {09,10,11} LA [FR101 or DptRec]
GE201 German II 6cr {09,10,11} LA [GE101 or DptRec]
SP201 Spanish II 6cr {09,10,11} LA [SP101 or DptRec]
IT201 Italian II 6cr {09,10,11} LA [IT101 or D]

After a basic review of the more important topics of the first year's work, the student continues to develop listening and speaking skills that enable him to participate in conversations in the target language. The student is also exposed to more complex grammatical structures and vocabulary in context. Increased emphasis is placed on writing skills through composition work. Cultural awareness and communicative proficiency remain goals of this level.

FR301 French III 6cr {10,11,12} LA [FR201 or DptRec]
GE301 German III 6cr {10,11,12} LA [GE201 or DptRec]
SP301 Spanish III 6cr {10,11,12} LA [SP201 or DptRec]
IT301 Italian III 6cr {10,11,12} LA [IT201 or DptRec]

In the third year, special emphasis is given to developing more sophisticated communication skills in the target language. The student continues to learn vocabulary and more complex grammar and language structures in context. The focus of this level is on communication of ideas, and the creative use of the target language for self-expression is encouraged. Reading skills are further developed with the increased use of authentic materials and contemporary fiction and/or graded readers.

FR401 French IV 6cr {11,12} LA [FR301 or DptRec]
GE401 German IV 6cr {11,12} LA [GE301 or DptRec]
SP401 Spanish IV 6cr {11,12} LA [SP301 or DptRec]
IT401 Italian IV 6cr {11,12} LA [IT301 or DptRec]

For some students, this is an elective course. For more advanced underclassmen, this class fulfills their graduation requirement in their junior year. The student continues to develop the active language skills of speaking and composition. Multimedia elements that combine video, audio and print are used to teach both language and culture. A thorough review of the basic grammar should prepare the student to take the SAT Subject Test by the end of the year.

FR405 French V 6cr {10,11,12} LA [DptRec]
GE405 German V 6cr {10,11,12} LA [DptRec]
SP405 Spanish V 6cr {10,11,12} LA [DptRec]

An elective for seniors depending on demand and interest, this course continues the development of speaking and writing skills on a variety of topics drawn from the contemporary press, films, television and literature. Students should be able to express themselves on a variety of subjects commensurate with their years of study.

FR602 AP French Language 6cr {11,12} LA [DptRec]
GE602 AP German Language 6cr {11,12} LA [DptRec]
IT602 AP Italian Language 6cr {11,12} LA [DptRec]
SP602 AP Spanish Language 6cr {11,12} LA [DptRec]

This is an intensive elective course designed to develop all four language skills: listening, speaking, reading and writing. The format of the course closely follows that of the Syllabus for Advanced Placement Language, as published annually by the College Board. At the conclusion of the course, students take the AP exam administered by the College Board.

FR606 AP French Literature 6cr {12} LA [FR602,DptRec]
SP606 AP Spanish Literature 6cr {12} LA [SP602,DptRec]

The Department recommends that this course be taken by those students who have successfully completed Advanced Placement Language. As the required reading list of literary works may change, prospective students are advised to consult the Syllabus for Advanced Placement Literature published by the College Board. At the conclusion of the course, the students take the AP exam administered by the College Board.

LA400 Foreign Literature in Translation 6cr {12} FA LA

The student will experience a cultural encounter through literature. This full-year course is divided into six units, each unit featuring representative foreign language authors and samples of his/her work in translation, emphasizing the historical background and cultural highlights of that period, and capitalizing on available movies, theater or musical presentations, and/or art exhibits appropriate to that author, country and time period. Each unit will be taught in English by a different instructor. The department presents the literature in its cultural context from the following languages: Spanish (from Spain and Latin America), French, German, Italian, Russian and any other language where there is instructor expertise.

RU101 Russian I 6cr {09,10} LA

After a thorough introduction to the Russian sound system, the student is introduced to the Cyrillic alphabet and cursive writing. Recitation of short dialogs, plus intensive drill of basic paradigms in language lab assignments, helps the student acquire a basic vocabulary and a familiarity with the Russian case system. The student is also introduced to the concept of verbal aspects in Russian. Outside readings, in English, provide cultural content on Russian life and history.

RU201 Russian II 6cr {09,10,11} LA [RU101 or DptRec]

After a review of the basic grammatical principles of Russian I, the student will deal with Russian verbs of motion, the conditional-subjunctive mode and the use of numbers in telling time and dates. Vocabulary is developed through systematic study of Russian word roots, prefixes and suffixes. Field trips to Russian neighborhoods provide cultural enrichment.

RU301 Russian III 6cr {10,11,12} LA [RU201 or DptRec]

The student is introduced to those verb forms---participles and gerunds---which occur more frequently in the written rather than the spoken language. Vocabulary development continues in the same manner as in Russian II. Readings with controlled vocabularies are taken from graded readers and newspapers and deal with current and historical events, as well as Russian fiction. A thorough review of all the important grammatical structures of the language concludes the year.

MATHEMATICS

The Mathematics Department has established a series of courses designed to teach students useful mathematical skills in numerical computation, algebraic manipulations, analysis of geometric configurations, and an understanding of elementary real-valued functions. In addition, the concepts of logic and reasoning are used in the development of methods and in the application of mathematical concepts to various real-life situations.

MA001 Algebra Ia 6cr {07} MA RQ

This course is the first half of a two-year program of instruction designed to give students in the middle-school a solid foundation in algebra, in preparation for further advanced study in mathematics. Topics covered include data and patterns in algebra, arithmetic operations on algebraic expressions, solving equations and inequalities, linear functions and systems of linear equations.

MA050 Algebra Ib 6cr {08} MA RQ

This course is the second half of a two-year algebra program for the middle school. Material is covered in depth to assure a complete understanding and mastery of algebraic techniques. Topics covered include functions, equations, and inequalities; matrices; probability and statistics; exponents; polynomials and factoring; quadratic equations and radicals.

MA101 Algebra I 6cr {07, 09} MA, RQ

Topics included in this introductory course in algebra are: the basic operation with polynomials, equations of one and two variables, lines and their slopes, the concept of functions and relations, ratios and percents and the properties of exponents and radicals. It is expected that the student have a thorough knowledge of arithmetic and an understanding of the real number system.

MA102 Intermediate Algebra 6cr {08}

A continuation of MA101 for those eighth grade students who need further instruction in algebra in order to be prepared for geometry and advanced algebra.

MA201 Geometry 6cr {08, 09,10} MA, RQ [MA101]

This course introduces properties of lines, planes, triangles, quadrilaterals, and circles. Reflections and transformations are used as a means of illustrating congruence of planar figures. Methods of inductive and deductive reasoning are used in the proof of theorems and constructions. Areas of polygons, circles, solids, and volume of solids are also discussed. Additional topics include a study of the trigonometry of right triangles.

MA301 Algebra II & Trigonometry 6cr {10,11} MA [MA101, MA201, DptRec]

This course is designed to review the basic concepts of elementary algebra on a more sophisticated level. In addition, such topics as matrices, sequences and series, and data analysis are included. The last third of the year is devoted to the study of trigonometry as circular functions, with special emphasis on the solution of equations.

MA302 Pre-Calculus 6cr {10,11} MA [MA102, DptRec]

This is a course designed to give the student background material needed in preparation for calculus. Thorough study of graphing methods is included, as well as development of the theory of functions, logarithmic and exponential equations, sequences and series, trigonometry, polar coordinates and complex numbers. Elementary concepts of calculus are also discussed.

MA402 Calculus I 6cr {11,12} MA [MA301, DptRec]

This course is designed to prepare the student for further study in the field of calculus. Topics include functions and relations, trigonometric functions and identities, the concept of a limit, and elementary techniques of differentiation and integration. A student should have a thorough preparation in algebra and geometry.

MA410 Fundamental Accounting Principles 6cr {12} EL [formerly MA410]

This is an introductory year-long course in basic accounting. Both financial and managerial accounting topics are covered, so that the course will be useful to students in their personal affairs and in their varied areas of educational specialty. The course focuses on the concepts and principles which guide the development of accounting information. The student is shown how accounting data are accumulated and how the resulting reports and statements can be effectively used in decision making. Thus, a solid foundation is built for later courses in business as well as accounting.

MA602 AP Calculus AB 6cr {11,12} MA [MA302 DptRec]

This course is designed to be a full year of college-level calculus for the advanced student in preparation for the Calculus AB Advanced Placement Examination. Topics covered include maximum and minimum problems, derivatives and applications of the differential, techniques of integration, related rates, area and volume problems, curve sketching, and the study of exponential and logarithmic functions. A student is expected to have a thorough knowledge of functions and trigonometry before beginning this course. At the conclusion of the course, the students will take the AP Calculus AB exam administered by the College Board.

MA603 AP Calculus BC & Multi 6cr {12} MA [MA602, DptRec]

This course is designed to prepare students for the Calculus BC Advanced Placement Examination and to provide an introduction to multivariate calculus. The topics to be covered in this course include polar coordinates, vectors in two-and three-space, three dimensional geometry, partial differentiation, multiple integrals, infinite series, differential equations, vector calculus, line integrals and Green's theorem in the plane. This course is only for the student who has completed AP Calculus AB (MA602). At the conclusion of the course, the students will take the AP Calculus BC exam administered by the College Board.

MA605 AP Calculus BC 6cr {11,12}

This course is designed for motivated and advanced students who wish to complete the BC Calculus syllabus in a single year. Topics covered will include all of those in AB Calculus (MA602) as well as analysis of parametric, polar and vector functions, geometric interpretation of differential equations, and improper integrals. In addition, infinite series and Taylor approximations of polynomials are included. Approval of the department and guidance is required.

MA604 AP Statistics 6cr {11,12} MA [DptRec]

Students will be introduced to the major concepts and tools for collecting analyzing and drawing conclusions from data. Topics will follow four broad conceptual themes: (1) exploring data - observing patterns and departures from patterns, (2) planning a study - deciding how and what to measure, (3) anticipating patterns - producing models using probability and simulation, and (4) statistical inference - confirming models. This course is only for students who have completed Calculus or AP Calculus. At the conclusion of the course, students will take the AP Statistics exam administered by the College Board.

MA701 Linear Algebra 6cr {11,12} MA [DptRec]

This course introduces the student to concepts in college-level algebra with a particular emphasis on matrix theory, determinants, homogeneous and non-homogeneous linear systems. Applications to linear programming and economic models are discussed. Also, functions of several variables are introduced. This course is only for the student who has completed AP Calculus BC (MA603 or MA605).

MUSIC

Music may be experienced as performer, composer, and listener. The Delbarton Music Department program provides experiences for students in each of these areas. All students are introduced to the creative and listening process of music in the 7th and 11th grade classes. Classes offered in the 12th grade include keyboard playing, music history, and music theory.

The primary performing groups are the Schola Cantorum (chorus), Wind Ensemble (band), and Abbey Orchestra. Smaller chamber groups such as brass ensemble, clarinet ensemble, and saxophone ensemble exist in relation to the primary performance groups. There is also a jazz ensemble. All performing groups rehearse in the afternoon or early evening as part of our extra-curricular music program.

A student may further his performing skills through private lessons in voice, piano, organ, keyboard, and woodwind, brass, string, and percussion instruments. Lessons are normally in the afternoon and early evening.

MU001 Music 07 2cr {07} RQ

All students are required to take this one-term course introducing them to rhythm, melody, harmony, and tone color. In this course students create, listen and perform.

MU302 Introduction to Music Listening 2cr {11} FA RQ

This is a one-term required course in which the student analyzes musical patterns of statement, contrast, accent, progression, repetition, and variation. Students will learn the necessary skills and terminology to interact and critique the music they hear every day. The student is introduced to a variety of musical styles. There is an emphasis on the aesthetic experience of music.

MU306 Introduction to Music Theory 2cr {11} FA DptRec

Using the electronic keyboards and computers in the Delbarton music studio, the course covers triads, intervals, scales, cadences, notation, elements of musical form, part writing, sight singing, dictation in melody, rhythm and harmony, applying these to written and keyboard work. There is also an emphasis on creating musical compositions. The course serves as a preparation for Advanced Placement Music Theory.

MU404 Music History 6cr {12} EL FA

Primarily a listening course for both the performer and non-performer exploring all styles of music (classical and non-classical, western and non-western) from the Middle -Ages to the Twenty-First Century, the course utilizes the resources of the music department's music laboratory studying musical works through recordings, films, and live performances. The student will also have the opportunity to develop basic performance and composition skills using the laboratory's computers and digital keyboards. The goal of the course is to develop an understanding and appreciation of all styles and types of music.

MU606 AP Music Theory 6cr {12} EL FA [MU306, Ability to Read Music, DptRec]

This full-year course is a deeper investigation into the technical aspects of music studied in the junior year Introduction to Music Theory course. Topics studied will include: reading notation, key signatures, time signatures, chords, Roman numeral analysis and function, figured bass realization, four part chorale writing, dictation, ear training, sight singing, and composition. This course is a skills course and will require practice of skills outside of the classroom for success. Prerequisite: Completion of MU306 or equivalent training. At the conclusion of the course, the students will take the AP Music Theory exam, administered by the College Board.

PHYSICAL EDUCATION

Physical Education is that part of the educational process which concerns itself primarily with the development of students through physical activities. It is desired that students acquire knowledge and understanding related to the development and function of the human body and to the mechanical principles of human movement. Physical activities are designed to foster creativity and self-direction and to encourage vigorous activity. Through activity, students develop physical fitness, agility, balance, endurance, flexibility and strength. Incorporated in the program are experiences which reinforce the development of behaviors, attitudes, appreciation and understanding required for effective human relationships.

PE020 Physical Education 07 4cr {07} RQ

PE052 Physical Education 08 6cr {08} RQ

In grades 7 and 8 emphasis is placed on the instruction of basic skills necessary to participate in team sports. There are also many other creative activities used to develop a better sense of human movement.

PE120 Physical Education 09 4cr {09} RQ

PE220 Physical Education 10 4cr {10} RQ

Grades 9 and 10 emphasize physical fitness, coordination and conditioning. There is also a strong emphasis on individual and team sports competition with an aim toward improvement in individual skills and techniques in each activity.

PE204 Driver Education 10 2cr {10} RQ

A one-term course which presents classroom instruction for the theory and guidelines of safe driving. Students are prepared to take the written permit examination of the NJ Division of Motor Vehicles.

PE320 Physical Education 11 4cr {11} RQ

PE422 Physical Education 12 6cr {12} RQ

During the eleventh and continuing through the twelfth grade, there is participation in team and individual sports. Much emphasis is also placed on lifetime and carry-over activities so that upon graduation each student should have acquired the habit and desire for physical activity and should seek to continue one or more activities for life.

Individual work may also be done at the request of the school nurse or a student's physician to help rehabilitate atrophied muscles as the result of injury or operation.

Sports and activities are organized during the school year as follows:

Fall Term:

Presidential Physical Fitness Testing Program, Soccer, Flag Football, Floor Hockey, Badminton, Aerobic Conditioning (optional), Weight Training (optional)

Winter Term:

Basketball, Volleyball, Paddle Ball, Indoor (Box) Lacrosse, Team Handball, Badminton, Strength Training (optional)

Spring Term:

Track and Field, Softball, Tennis, Golf, Strength Training (optional), Swimming

Health

It is the purpose of the Health Education courses to draw information from psychology, sociology, genetics, ecology and countless other fields, integrate it, and pass it along so that students can use this knowledge to make intelligent health related decisions in their daily lives. Also, the courses are designed to isolate some of the more perplexing questions that students may have and provide opinions and data to help them answer such questions.

The health program also includes use of slides, cassettes and movies in its investigation of health and social-related matters. In addition, an outside agency, the Morris County Department of Drug Abuse, presents an informal seminar on teen-age drug abuse and the role of drugs in society.

The topics treated at the various levels of the health program are as follows:**Grade 07:**

1-Human Relations, 2-Teeth and Their Care, 3-Personal Health, 4-Safety, 5-The World of Medicine, 6-Pollution.

Grade 08:

1-Public Health, 2-Skin Problems, 3-Foods and Nutrition, 4-Smoking, 5-Alcohol, 6-Drugs.

Grade 09:

A-Psychological Development: 1-Emotions, 2-Role of Heredity, 3-Role of Environment, 4- The Mature Personality; B-Smoking and Health; C-Introduction to Alcohol and Drug Use and Abuse; D- Why we train the body: 1-Physical development, 2-Healthy body/healthy mind.

Grade 10:

A-Alcohol Abuse: 1- Types of Alcohol, 2-The Physiological Effects of Alcohol, 3-The Psychological Effects of Alcohol, 4-Drinking in American Society, 5-Alcoholism; B-The Physiology of Exercise: 1-Aerobic and Anaerobic Exercise, 2-Types of Weight Training, 3-Strength, Endurance, and Flexibility Training.

Grade 11:

A-Drug Use and Abuse 1-The role of drugs in the good life (a clinical look at the use of drugs), 2- Common Drugs of Misuse and Abuse, 3-Drugs and Society, 4-Morris County Department of Drug Abuse Seminar (11 & 12 Gr); B Nutrition - Diet and Weight Control.

Grade 12:

A-American Red Cross First Aid; B-Health & Disease 1-Conquest of Disease, 2-Infectious Diseases, 3-Cancer, 4-Cardiovascular Diseases.

RELIGIOUS STUDIES

The study of Religion is required of all students. The department encourages students to pursue an understanding of their faith, and to respect the religious beliefs of others. Through its curriculum the department seeks to inform students about the nature of religion and religious traditions in a diverse and changing society. In the spirit of ecumenism fostered by the Church at Vatican II, and a hallmark of our age, the curriculum remains faithful to the Roman Catholic and Benedictine heritage of Delbarton and fosters dialogue and understanding among students. Since the School realizes that parents are the primary religious educators of their children, the department requires parental approval for electives in the Upper School for grades 10th through 12th. The department requires that one course (2 credits) be taken in each of the core areas: History, Morality, and Scripture as indicated in the following course descriptions.

All freshmen, as part of their introduction and orientation to Delbarton take the same courses: **RE108** (*Gospels*) and **RE109** (*Benedictines*). It is advisable that students complete the remaining departmental requirement (Morality) as soon as possible to avoid scheduling problems later, and allow greater freedom of course selection. After course selection is completed, registration confirmation is mailed home for parental approval.

RE002 The Bible 4cr {07} RQ

A firm foundation in the characters, stories, and themes of both the Hebrew and Christian Testaments. The religious, social, historical and political developments of Jews and Christians are included in this biblical survey. This is done through a select reading of the Pentateuch, Judges, the Prophets, the Gospels, and the Acts of the Apostles.

RE051 Great Religious Thinkers 4cr {08} RQ

A presentation of contemporary heroes of faith as well as great religious minds from many and diverse traditions of faith throughout history. An examination of these heroic lives as models for others through reading literature by or about these great religious thinkers. This course is designed to demonstrate that through a diversity of faith traditions there is also a unity among believers in every age.

RE108 The Gospels 2cr {09} S

An exploration of the writings of the four evangelists found in the Christian Testament, with special attention to the Gospel of Mark. Students become acquainted with the Semitic Middle East of two millennia ago: its culture, politics, history, and theological milieu. Gospels are examined as both sacred literature and guides for understanding (and acting upon) beliefs. The fruits of biblical criticism are employed in the analysis of a text, and comparative approaches are employed to demonstrate the unique portrait of Jesus found among the evangelists. (Scripture)

RE109 The Benedictines 2cr {09} H

An overview of the rich and ancient heritage of the Benedictine Order within the monastic tradition, beginning with St. Benedict, father of western monasticism and co-patron of Europe. This course will include, among other things, an introduction to the Rule of Benedict, monastic spirituality and prayer—in common and lectio divina, a history of the Order, highlighting influential monks and nuns, art and music, and the Benedictines today. (History)

RE204 Religion & Literature 2cr {10} H

How do ideas about a Supreme Being, the mystery of life, the search for meaning and purpose, faith, suffering, good and evil, and the after-life shape the stories we tell? How do these ideas shape our interpretation of these stories? This course explores these questions of faith and religion through an examination of selected works of fiction, drama, and poetry, taken from American, British and world literature, and deals with various questions related to God and religion. (History)

RE205 Genocide Studies 2cr {10} M or H

An exploration of the roots of suffering and evil in the modern world. The Holocaust, the Cambodian massacre, the Turkish slaughter of Armenians, mass murder in Rwanda, ethnic cleansing in Bosnia, and other contemporary situations demand a moral response. Opportunities to discuss the dangers posed by ethnic, racial, political and religious persecution in contemporary societies, as well as the general moral issues surrounding prejudice. Primary texts help students understand the role of religious and state institutions in promoting or opposing genocide. (Morality or History)

RE208/RE308 Doors to the Sacred 2cr {10} H

An imaginative exploration of "sacramentality" as the essence of life - how life's meaning reveals and makes present the saving love of God. This intriguing survey of the origin and development of sacramental rites highlights the sacraments of initiation. An overview of the historical and cultural evolution of sacramental rituals and practices provides students with a mature understanding of the liturgies they experience. By understanding Jesus as the sacrament of the Father and the Spirit-led church as Jesus' sacrament to the world, the student explores each of the sacraments as the activity of the Risen Christ in the world today. (History)

RE212/RE102 Family Life 2cr {10} M

Adolescence is both an exciting and stressful experience, accompanied by an array of feelings and anxieties, doubts and questions. This course in reverence for life and family endeavors to portray youthful changes as challenges, not problems. Physical, psychological, emotional, spiritual, and moral dimensions of human sexuality are discussed. This course places genital activity within a framework of commitment, faithfulness and a genuine openness to life. As he considers the possibility of his future role as husband and father, the student is encouraged to focus on the present quality of relationships with family, friends and God. (Morality)

RE301 Prophetic Traditions 2cr {11} S or H

An examination of Wisdom literature in the Hebrew Scriptures as an invaluable source for understanding God and people in their relation to God. The golden age of prophecy follows, beginning with Isaiah and other eighth century prophets and concluding with the last of the books of the Hebrew Scriptures, the Prophecy of Malachi. In approaching the text as sacred literature, the student is encouraged to see God's historical word through various literary genres as well as the implications of justice in the modern world. (Scripture)

RE303 Social Justice 2 cr {11} M

A review of a number of problems facing society today. Perspectives from Scripture, history, and Church teaching are included to bring this message to bear on specific issues, including poverty and hunger, global and environmental concerns, sexism and racial prejudice, and the aged and infirm. Finally, faith and justice will be linked to peace by helping students better understand that if they want peace, they must work for justice. The implications of peaceful responses to conflict are included, as well as the challenge to look at war with a new attitude in this post-cold war age. (Morality)

RE309 The Gospel of John 2cr {11} H

A thorough introduction to the fourth Gospel according to St. John. This course will include, among other things, a closer look at the signs, teachings, sacrifice and commission of Jesus, the Word who has taken flesh, and dwells among us to give us a glimpse of his glory through the resurrection; students will be challenged to read this gospel text, through exegesis, as distinct from the synoptic tradition and a complement to it. (Scripture)

RE313/RE103 World Religions 2cr {11} H

A fresh look at great religions and cultures around the world. Informed and informative treatment of world religions is examined to provide a better grasp of the worship, beliefs, and practices of diverse religious traditions. The similarities and interdependence of these religions, as well as their differences, are considered. This comparative approach to religion includes an examination of Judaism, Christianity, Islam, Buddhism, and Hinduism. (History)

RE402 Christian Lifestyles 2cr {12} M

A clear understanding of the four basic lifestyle paths - single, married, religious and ordained. Through an examination of life themes common to all four paths, students develop methods of coping with developmental tasks of young adulthood. These lifestyles are examined in light of the gospel message. The major focus of the course is the consideration of marriage as a sacrament, formed by Scripture and tradition. Concomitantly, attention is called to the development of a committed relationship as well as the ramifications this has for people in today's society. Consideration is given to finding a lifelong partner, the preparation for marriage, growth and fidelity of covenant love, for the expression of this love through the raising of children. (Morality)

RE403 Quest for God 2 cr {12} H

Reflections on the classical, medieval, modern, and contemporary philosophical approaches to the phenomenon of religion and the existence of God. Theistic and atheistic positions are discussed, focusing on the modern philosophical criticism of traditional religion. What rationales can be provided for accepting or rejecting God in this generation and the next? Questions such as the problems of evil, sin, and suffering are also explored, and the psychological search for meaning and purpose which draw people to religion is examined. (History)

RE404 Ethics Seminar 2 cr {12} M

Exploring current and compelling moral issues which face society today. Students look with a critical eye at ethical implications to modern dilemmas. After an examination of various methodological approaches of ethical theories along with principles and responsibilities involved in making moral decisions, students will consider the history and current state of research on a contemporary moral issue. Issues in bioethics such as abortion, procreative technologies, informed consent, euthanasia, are among some of the possible topics examined. Other topics, such as access of information, privacy, business and political ethics, may also be explored. (Morality)

RE411/RE106 Pentateuch Studies 2cr {12} S

An appreciation of the first five books of the Hebrew Scriptures as the foundation of a faith that believes God has spoken and has elected a people. May include a further study of sixteen books that trace the development of the history of that people, including an understanding of the Exodus, the conquest or settlement of the Promised Land, the monarchy and subsequent exile. The discoveries of biblical archeology bolster an appreciation of the political, historical, cultural, and literary context that sheds

light on the text. Careful examination of major themes such as creation, covenant, and community helps the student apply this sacred literature to daily living. (Scripture)

SCIENCE

The Science Department attempts to increase knowledge of the world around the student by increasing his critical awareness of biological, chemical, and physics phenomena. This is accomplished by familiarizing the student with the vocabulary of science, and presenting the processes of scientific inquiry and methods for drawing conclusions. Additionally, the student will be trained to draw his own conclusions about how acquired knowledge may be applied to the world and to his own life in particular.

Our students are encouraged to reason deductively from the existing body of knowledge, to reason inductively from their own observations and experimental data, and to arrive at general regularities and underlying themes and principles. Also, they are shown how to be proficient in problem solving techniques that are commensurate with their background in mathematical skills.

IS001 Integrated Science 6cr {07} RQ [DptRec]

With an emphasis on critical thinking skill, IPS is designed to give students an understanding of the earth, its environment, and the universe. Through extensive laboratory work students are involved in the inquiry process of science. Hands-on experiments are designed to aid students in the developing of learning skill and processes such as observing, identifying, classifying, measure, inferring, hypothesizing and interpreting. Topics covered include universality of change from the weather and the rock cycle through plate tectonics to postulated changes in the universe. It continues with a look into the properties of matter and the structure of the atom and finishes with a look at the diversity of life on our planet. Term assignments in media, literature and research encourage students to experience science outside the classroom in their everyday lives.

IS050 Integrated Science (IPS) 6cr {08} EL [DptRec]

This course is designed to introduce students to all of the physical sciences but primarily chemistry and physics. Students get a thorough introduction to the "scientific method." Through laboratory investigation and experimentation, students learn techniques of data gathering and interpretation.

BL101 Introduction to Biology 6cr {09} RQ [IS001 or equivalent]

This course serves as the upper school introduction to the "science of life." Students learn the use of basic biological tools in laboratory investigations and study the classical biological experiments and current information on living systems, their anatomy, structure and function. Topics include energy, photosynthesis, cell study, heredity, genetics, micro-biology and ecology. Problem solving is stressed.

BL103 Advanced Introduction to Biology 6cr {09} EL Placement Test

This course includes all the topics above in BL101 plus additional topics. All topics are covered with greater depth and detail. This course prepares students for the SAT Subject Test.

CH201 Introduction to Chemistry 6cr {09,10} RQ [BL101 or BL102]

This course builds upon the background established in first year biology and broadens the student's knowledge in chemistry. Through lecture, experimentation and demonstration, the student gains a broader perspective of chemical principles involving atomic theory, chemical bonding, molecular structure, chemical relationships and thermodynamics. Through laboratory experiments the student is encouraged to discover principles, regularities and periodicity on his own.

CH203 Advanced Introduction to Chemistry 6cr {09, 10} EL [BL101 or BL103, DptRec]

This course includes all the topics above in CH201 plus additional topics. All topics are covered with greater depth and detail. This course prepares students for the SAT Subject Test.

PH301 Introduction to Physics 6cr {10,11} RQ [BL101, CH201 or CH602]

This course is a presentation of a unified view of physical science through the analysis of basic principles and their implications and limitations. Special emphasis is placed upon the analytical understanding of physical phenomena through the frequent use of mathematics. Topics include: scalars, vectors, kinematics, Newton's Laws and dynamics, conservation principles, work and energy, oscillatory motion, and electricity and magnetism.

PH606 AP Physics B Level 6cr {10,11,12} EL [BL101,CH201,PH301,DptRec]

This is a first-year comprehensive course in physics that will prepare the student for the AP Physics Level B exam at the end of the year and serves as an alternate to Introductory Physics while also satisfying the graduation requirement. Many more topics will be covered than in PH301. It is designed for the most capable sophomores or juniors and may serve to fulfill a general first-year or first-term college-level science requirement.

BL602 AP Biology 6cr {09,10,11,12}AP EL [BL101, CH201, PH301, DptRec]

This is a second year biology course with the goal of preparing the student for the AP Biology Exam at the end of the year. The following topics are stressed: organic chemistry, cell physiology, genetics, microbiology, ecology and evolution. There is a heavy emphasis on laboratory work and the ability of the student to combine lecture information with readings for problem solving and further investigation.

CH602 AP Chemistry 6cr {10,11,12} AP EL [BL101, CH201, PH301, DptRec]

The main objective of this second year chemistry course is to prepare the student for the AP Chemistry Exam at the end of the year, and in so doing, provide the student with a general, first-year, college-level chemistry course. All fundamentals of first year chemistry are taught in greater depth and scope and with emphasis on problem solving and laboratory investigation.

PH602 AP Physics C Level 6cr {11,12} EL [BL101,CH201,PH301 or 55, DptRec]

This is a second-year in-depth physics course that will prepare the student for the AP Physics Level C exam at the end of the year and serves as a first-year college-level physics course. Topics as in PH301 will be covered, but much more thoroughly; techniques of the calculus will be used.

BL406 Environmental Studies 6cr {11,12} EL [BL101,CH201,PH301, DptRec]

This is a laboratory and project-oriented course covering environmental studies. Subjects covered include earth systems and resources, species interactions and ecology, population dynamics, land and water use, genetics, energy resources and consumption, pollution, and global change. Proficiency in biology, chemistry, physics and basic computer usage is required due to the interdisciplinary nature of the course.

PH401 Advanced Physical Science 6cr {11,12} EL [BL101, CH201, PH301]

This is a laboratory and project-oriented course in which a wide range of physical science topics will be undertaken. Topics covered will include astronomy, astrophysics, meteorology, modern physics, and geology.

PS601 AP Psychology 6cr {12} EL [BL101, CH201, PH301, DptRec]

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. They also learn about the ethics and methods psychologists use in their science and practice. At the conclusion of the course, students take the AP Psychology exam administered by the College Board.

SC609 Research in Science 6cr {11,12} EL [BL101, CH201, PH301, DptRec]

This is a laboratory-oriented course designed for students who have been designated as gifted and talented in science. Students will be required to complete a research project which will be submitted for participation in a national, state, or regional competition open to high school science students. In addition, students will participate in a weekly seminar on topics that are not usually covered in traditional science courses.

SKILLS DEVELOPMENT

AD101 Freshman Project 2cr {09} RQ

Selecting a topic, investigating and reporting on it to one's peers are the basic parameters of this open-ended freshman course. Key aspects of the course include developing one's intellectual curiosity, planning an academic endeavor by oneself and formally presenting it to an evaluation committee.

The course is basically student-directed. However, faculty members are available as mentors, and students are encouraged to seek assistance. Projects are due in the spring.

AD401 Leadership 2cr {12} RQ

This course is designed to teach concepts of leadership and to examine leadership from multiple points of view (individual, moral, political, economic, etc.). Throughout the course, the student will be exposed to various styles and techniques of leadership. The student will learn from leaders who were successful—and leaders who failed. Texts that are used in the course include *Lincoln on Leadership* (Philips), *The Defining Moment* (Alter), *The Winner Within* (Riley), and *Blink* (Gladwell). Ultimately the student will be able to answer the questions: “What is leadership?” and “Why is leadership important?”