

Saint Edmund Preparatory High School

2011-2012 Course Catalog



Business & Computer Science Department

Computer Technology – 6141 (Freshman Course)..... CREDIT: 0.5

This course will provide an introduction to: structured programming, computer structure and organization, the history and development of computing, the Internet, the world wide web, electronic mail and "Net"iquitte, the Microsoft Office package (MS Word, MS Excel and MS PowerPoint), information literacy and research skills.

Advanced Microsoft Office – 6049 (Junior/Senior Course)..... CREDIT: 0.5

This course will provide an in-depth study of the more advanced functions of Microsoft Word, Excel, PowerPoint and Access which could not be covered in the earlier introductory course. MS Word: Students will learn to perform mail merges, work with headers and footers, arrange text into columnar format, organize data in tables, write appropriate outlines and research papers using footnotes and tables of contents, and manage and integrate multiple documents. MS Excel: Students will learn to advance in their mastery of the application in light of various business disciplines. The course will provide an introduction to business, statistics and decision sciences using Microsoft Excel as a powerful related tool. MS PowerPoint: Students will learn to organize and make longer presentations on varied topics as well as advanced public speaking skills. MS Access: Students will be introduced to storing and organizing data in a database using this powerful tool.

Prerequisite: Introduction to Computer Science/Computer Technology.

Internet Technology – 6148 (Junior/Senior Course) CREDIT: 0.5

This semester course will examine the basics of various internet concepts including the World Wide Web, Electronic Mail, FTP and "Net"iquitte. By the completion of the course students will be able to explain how the internet is constructed, describe various network topologies, and will have created, modified and maintained their own personal website throughout the course.

Prerequisite: Introduction to Computer Science/Computer Technology.

This course is not open to students currently taking or having already completed Advanced Computer Science.

Desktop Publishing & Design – 6150 (Junior/Senior Course) CREDIT: 0.5

This course will introduce students to the powerful and marketable skill of desktop publishing (creating printed material, books, newspapers, brochures, flyers, etc. with a personal computer.) Using professional software such as the Adobe Suite, students will create quality publications both for practice, and for actual print production. Note: This course is highly recommended for staff members of all school publications. This course also counts as an elective for the Sequential Art Program (See: Fine Arts Dept.)

Advanced Computer Science – 6146 (Junior/Senior Course) CREDIT: 1

This course will provide an introduction to structured programming using Microsoft Visual C++, and an introduction to HTML programming including PHP and MySQL scripting. It is an excellent college preparatory course for those students interested in the sciences, mathematics or engineering. A solid foundation in mathematical logic is essential.

Prerequisite: Successful completion of Introduction to Computer Science/Computer Technology with a grade of 80% and successful completion of the required Math Regents Examination.

This course is not open to students currently taking or having already completed Internet Technology or AP Computer Science A.

AP Computer Science A – 6246 (Senior Course)..... CREDIT: 1

This course will focus on JAVA Programming teaching structured problem solving and will prepare students for the year-end Advancement Placement examination. It is an excellent college preparatory course for those students interested in the sciences, mathematics or engineering. A solid foundation in mathematical logic is essential.

Prerequisite: Successful completion of the required Math Regents Examination, Advanced Computer Science and departmental approval.

Computer Lab Assistant – 6143 (Junior/Senior Course) CREDIT: 0.5

This is the perfect course for those students who may be considering a career in education, and have a particular interest in computing. The student attends the computer science course that fits into his/her schedule in the role of the teacher's assistant. Responsibilities may include helping individual students, assisting with lessons, preparing laboratory assignments, evaluating work, etc. The Assistant will be expected to prepare and present several lessons throughout the semester, and evaluation may also include examination(s) and long-term project(s). At the end of the semester, the student should have a more realistic idea of what it takes to be a teacher. Computer Science Assistantships are available for Introduction to Computer Science/Computer Technology or Internet Technology.

Prerequisite: prior successful completion of the course and departmental approval

Career & Financial Management – 6034 (Junior/Senior Course) CREDIT: 0.5

Career and Financial Management is a ½ credit course designed to expose students to topics related to business and personal finances in today's world. Students will be provided opportunities to learn about the features of our economy, explore a variety of careers, learn the skills and competencies needed for success in the workplace and to begin to become financially literate. Topics to be discussed include personal budgeting, banking, credit, investing, career planning, job searching, and resume writing.

College Accounting – 6031 (Junior/Senior Course)..... CREDIT: 1

This is the core-level business course; it is suggested that it is taken prior to other business-related courses to provide a basis for those interested in any high school or collegiate-level business study. Accounting is the language of business, and is strongly recommended for all students considering a career in any business-related discipline. This full year course is designed to develop occupational competencies in Accounting. To dispel the myth, one does not have to be adept in mathematics to be adept in accounting; addition, subtraction, multiplication and division are the only mathematics required. At the completion of this course, students will be able to: describe the accounting cycle, journalize and post business transactions, analyze real-life case studies, and interpret and prepare general purpose financial statements. Upon successful completion of this course, students may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisite: Successful completion of the required Math Regents Examination and minimum overall GPA of 80%.

College Marketing – 6038 (Junior/Senior Course)..... CREDIT: 1

Marketing refers to the concepts, philosophies, techniques and theories pertaining to the exchange process of products and services between companies and their customers. This course is designed to introduce students to the important role that marketing plays in our economic system. They will have the opportunity to explore past and current trends and innovations influencing the marketing system. Furthermore, students will actually form their own company, apply and be hired for positions within the firm, and effectively design and market a product in the school. Proceeds from the company's efforts will be used to run a charitable event which the students will coordinate. At the completion of this course, students will be able to: discuss the marketing concept and identify the four elements of the marketing mix, explain market segmentation and the consumer market, and discuss the efforts taken to promote international trade. Upon successful completion of this course, students may receive up to six (6) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Business Law Honors – 6032 (Junior/Senior Course)..... CREDIT: 1

This full-year course begins with a survey of the judicial system, followed by an analysis of contract law using lecture and case method. It is designed for students who wish to develop critical thinking skills needed for college and the workplace. Topics include Torts and Crimes, Consideration, Contracts, and Legal Competency among others. This course may be used for the Social Study sequence.

Prerequisite: Minimum overall GPA of 80% is required.

Managerial Statistics Honors – 6301 (Junior/Senior Course)..... CREDIT: 0.5

Statistics is concerned with methods for drawing conclusions about large populations from results derived from smaller sample experiments or processes. This exciting course will examine the usefulness of statistics in a business context as it helps managers in their daily decision making. Topics covered will include probability, probability distributions, hypothesis testing and confidence intervals.

Prerequisite: Successful completion of all the Mathematics Regents Examinations and departmental approval.

English Department

English 09 – 1010 (Freshman Course)..... CREDIT: 1

The purpose of the freshman English course is to expose students to the various aspects of the English curriculum. This will include concentrating on the following general topics: grammar, literature, writing, vocabulary, and library skills. One of the aims of this course is to introduce students to the various literary genres (poetry, drama, short story, novel, essay, etc.) by having them read a wide selection of literature representing the works of various and significant writers. The goal is to reinforce the basics learned by students in grammar school and to expand those skills so that students can become proficient at the high school level. These skills will not only help students in their study of English but will be taught with the aim of giving students the tools necessary to succeed in all academic areas.

English 09 Honors – 1011 (Freshman Course)..... CREDIT: 1

This course is a more intensive treatment of the material in English 9. A greater number of literary works will be covered and analyzed in greater depth. A greater number of written assignments will also be required. In addition to the writing requirements outlined in English 9, students in the Honors program will begin the process of researching a topic with the aim of preparing a term paper on a given topic. Students will also engage in a number of creative writing assignments. Inclusion in this program is determined by the guidance department.

English 09 SG – 1012 (Freshman Course) CREDIT: 1

This is an intensive course in the basics of reading, writing, spelling and grammar. The purpose of this course is to provide the student who shows a weakness in these areas remediation so as to build a strong foundation which will help students for a lifetime of study and communication. The major areas of emphasis will again be in reading and writing. Fewer works may be covered than in English 9 so that students can gain a deeper understanding of the works that are covered. In the area of writing, students should develop a more complex writing style. Students will learn to write more complex sentences and to develop well-written paragraphs and essays. Ultimately the goal is to move students from the basic level to a level where he/she can achieve academic success. Inclusion in this program is determined by the guidance department.

English 10 – 1020 (Sophomore Course)..... CREDIT: 1

The purpose of the sophomore English curriculum is to take the skills learned in freshman year and focus them on a specific body of work, in this case, American literature. The major topics to be covered once again are grammar, literature, writing and vocabulary. In all aspects the student will be expected to show progress from the previous year, particularly in the areas of text analysis and writing. Students will come to a greater understanding of the elements of literature through their close study of American literature and writers. Students will also come to a greater understanding of the unique qualities inherent in American literature, how this literature was influenced by and helped to influence the history of the United States, and their place in American society.

English 10 Honors – 1021 (Sophomore Course)..... CREDIT: 1

This course is a more intensive treatment of the material in English 10. A greater number of literary works will be covered and analyzed in greater depth. A greater number of written assignments will also be required. In addition to the writing requirements outlined in English 10, students in the Honors program will be required to research a given topic and prepare a term paper complete with source references and a bibliography of works cited using the standard MLA format. Students will also engage in a number of creative writing assignments. Requirements for inclusion in the Honors class are a 90 average in English 9, an overall average of 85 and teacher's recommendation.

English 10 SG – 1022 (Sophomore Course)..... CREDIT: 1

This course will continue to focus on the basics of reading, writing, spelling and grammar. The purpose of this course is to provide those students who continue to show a weakness in these areas the remediation necessary to achieve proficiency on the high school level. The major areas of emphasis will again be in reading and writing. Fewer works may be covered than in English 10 so that students can gain a deeper understanding of the works that are covered. In the area of writing, students should develop a more complex writing style, Students will continue to develop well-written paragraphs and essays. The goal once again is to help these students progress from the Basic level to a level where he/she can achieve academic success.

Lit. & The Writing Process – 1086 (Junior Course)..... CREDIT: 1

In this class students will focus heavily on developing their critical thinking and writing skills. This will be done in conjunction with their continued study of literature, primarily in the various genres of poetry, short story, drama and the novel. Students will also prepare for the Comprehensive Examination in English which they will take in June.

Lit. & The Writing Process Honors – 1084 (Junior Course) CREDIT: 1
 In this class selected students will focus on developing the same skills as outlined above but on a much deeper level. Requirements for inclusion in the Honors class are a 90 average in English 10, an overall average of 85 and teacher's recommendation.

Lit. & The Writing Process SG – 1085 (Junior Course)..... CREDIT: 1
 In this class selected students will focus on developing the same skills as outlined above but at a less intensive pace. Students in this class will take the Comprehensive Examination in English in June.

ENGLISH ELECTIVES

Students in their Senior year have the opportunity to select electives from a list of courses offered each year. All students must register for at least one English elective per semester. In addition to the literature which will be covered in a given field of study, students will also continue their study and development of grammar and vocabulary in the context of the works read. In developing their writing skills, students will continue to keep reading journals and writing portfolios. In each course students should participate in a variety of writing exercises including creative writing assignments, free writing, and peer review. Students may be required to submit a research paper on a given topic in each course.

Speech – 1047 (Junior/Senior Course) CREDIT: 0.5
 The purpose of this course is primarily to help students learn the art of public speaking. Throughout the course a number of speech related topics will be discussed. However, students will be required to take an active part in this course in that they will be expected to compose and, more importantly, deliver speeches in front of their classmates. Students will focus on researching a given topic and presenting their ideas in a clear and understandable manner. The writing and research skills which will be developed in this course should also help students in learning to organize their thoughts and time in their other academic pursuits. Depending on the size of the class, students should expect to deliver approximately four to five presentations in the course of the semester.

Creative Writing Workshop – 1048 (Senior Course) CREDIT: 0.5
 In this course, students will begin practicing creative writing as a craft. We will read essays about the writing process (by Bradbury, as well as excerpts from Stephen King's *Danse Macabre* and Julia Cameron's *The Artist's Way*). We will read excerpts from various short stories and discuss the techniques writers use, and then use our knowledge of these different techniques to construct our own stories. Students will do an extensive amount of creative writing, first developing characters, then creating settings, experimenting with imagery and tone, and finally developing simple plots. Because writing is a process that must necessarily include revision, students will share their work in class and utilize the feedback they receive to revise their work. In addition, students will keep journals in which they will be required to write daily (morning pages.) Our goal will be to write two short stories over the course of the semester. Text: *Zen and the Art of Writing* by Ray Bradbury

Shakespeare – 1056 (Junior/Senior Course) CREDIT: 0.5
 The purpose of this course is to introduce the student to the writings of William Shakespeare, considered by many to be the greatest writer in the English language. Students will begin with a discussion of the life of William Shakespeare and the theater of his day. Students will then engage in an intense focus on some of the major plays. Representative works will be read and discussed in all three areas of Shakespeare's interest: Histories, Tragedies and Comedies. Major themes will be discussed along with a discussion of structure, form, and style. Students will also study the poetry of William Shakespeare, including his sonnet collection.

Short Story – 1057 (Junior/Senior Course)..... CREDIT: 0.5
 The purpose of this course is to introduce students to the short story genre. Students will read and analyze a number of works which will cover a variety of topics: Characterization; Setting; Plot; Conflict; Point of View; Theme; and Motivation/Tone/Method. These literary terms and many others associated with prose writing will be explored. Students will become aware of the elements which go into making up a short story. Students will also be made aware of how the short story genre differs from other literary genres such as poetry, drama, novels, essays, biographies, etc. Students will have to keep a reading journal and will be encouraged to enter into discussions centering on the various works. Students will also be encouraged to create short stories of their own. Reaction papers will follow the discussion of selected works and a term paper on a specified topic will be required.

Art of Poetry – 1059 (Junior/Senior Course)..... CREDIT: 0.5

The purpose of the Poetry course is to introduce students to the art of reading and writing poems. Students will explore the structures of a large range of poems and contemporary music to observe how poets and lyricists make use of various literary and musical techniques such as word choice, imagery, figurative language, sound, rhythm and meter. Students will also learn about the history and structure of various genres of poetry such as the Shakespearean Sonnet, the Japanese Haiku and the ballad. Accompanying their readings and discussions, students will work at developing many of their own poems to gain a better understanding of what compels someone to write about her/his life experiences using the poetic form.

Irish Literature – 1063 (Junior/Senior Course)..... CREDIT: 0.5

The purpose of the Irish Literature course is to expose students to the abundantly rich tradition that exists in Irish literature. In doing so students will also be exposed to the culture and history of Ireland, much of which is reflected in its literature. Students will study all forms of Irish literature beginning with the early Celtic myths and legends. Students will then study some of the great works of the Irish theater which emerged as a result of the efforts of William Butler Yeats and Lady Gregory and which led to the formation of the Abbey Theater, the national theater of Ireland. Next, students will read and discuss a number of short stories, the genre at which many Irish writers seem most proficient. There will also be a discussion of Irish poetry centering most prominently on William Butler Yeats and Seamus Heaney. Finally, students will read and discuss the works of the preeminent Irish writer, James Joyce.

Analyzing Children's Literature – 1071 (Senior Course) CREDIT: 0.5

This course focuses on selecting and evaluating literary material for children in the early childhood years from a developmental perspective. Literature that introduces children to themselves, their world and the worlds of other cultures is explored. Cooperative learning approaches such as hands on activities, share decision making, active participation and questioning techniques are demonstrated and experienced throughout the course. Both oral and written communication skills are stressed through various teaching strategies. Students learn to choose books according to grade level, developmental and emotional needs and reading interests. They will learn to read aloud as they develop a sense of themselves as poised and competent readers. Writing techniques are explored as students learn how to write children's stories. Various artists will be studied as students learn to evaluate illustrations by artistic standards for children's books. As a final project each student will write and illustrate a short story for children. The course will cover analyzing children's literature and effective reading/writing strategies. Students will visit an elementary school to practice techniques learned in the course.

Non-Fiction, Civil Movements – 1072 (Junior/Senior Course)..... CREDIT: 0.5

This course will provide an overview of the Non-Fiction movement with particular focus on persuasive writing and how it affected societal change. In brief, we will study the concepts of transcendentalism, persuasive rhetoric, logical reasoning approaches, emotional appeal and their place in persuasive writing.

Women in Literature and Film – 1073 (Junior/Senior Course) CREDIT: 0.5

This course will be the study of how women have been portrayed throughout the ages in both literature and film. Students will examine poetry, essays, short stories, novels and films written by women and about women. Selections will include Chaucer's "The Wife of Bath"; Alice Walker's "The Color Purple"; the poetry of Sylvia Plath, Anne Bradstreet, Emily Dickinson, and Marge Piercy; Ibsen's "A Doll's House"; essays in feminist writings from such authors as Betty Friedan and Kate Millett. Students will react and respond to the material presented in this course through their own writings, projects, and class discussions.

Journalism/Media Criticism – 1078 (Junior/Senior Course) CREDIT: 0.5

This course will cover the history of the media, functions of the media, media criticism, and the code of ethics which journalists adhere to. The class will also engage in an intense study of both writing as scholastic journalists and designing scholastic publications. The class will prepare students to effectively participate on any school publication staff. The class is strongly recommended for staff members and is a requirement if a student desires a role as editor of a publication.

Journalism II – 1079 (Junior/Senior Course)..... CREDIT: 0.5

This course is designed for editors of school publications. In this class, students will have the opportunity to advance their leadership skills, effectively organize staff meetings, and explore creative ways to design the publication. The class will meet for a determinate number of class sessions during zero period. However, much of the work for the class will be done independently as the student services his/her publication.

The Personal Essay – 1083 (Junior/Senior Course)..... CREDIT: 0.5

For more than four hundred years the personal essay has been one of the richest and most vibrant of all literary forms. The hallmark of the personal essay is its intimacy. The writer seems to be speaking directly into one's ear, confiding everything from gossip to wisdom. In this class we will study the art of the personal essay both by reading selections by well known authors and by writing personal essays of our own. Students will learn to write personal essays and to critique the work of others, primarily through group discussions.

Literature without Borders – 1158 (Junior/Senior Course) CREDIT: 0.5

This course will take the student to all parts of the world. The aim of this course will be to have students increase their understanding of other cultures and appreciate the similarities and the differences of other ethnic groups. In this course students will read various authors from many different cultural backgrounds. Students will use a text book, and will also be using novels, poetry, and music to complete their understanding of the cultures around them. As technology has grown, so has our exposure to other cultures. By increasing an awareness and understanding of others, students can use the knowledge from this class to develop non-bias opinions of different cultures.

College/AP English – 1041 (Senior Course) CREDIT: 1

This full-year course is open only to seniors. Students must have a minimum average of 90 in English and a score of 1000 or better on their PSAT or SAT exams. The purpose of the College English/Advanced Placement course is to allow advanced students the opportunity to gain college credit from St. John's University and to prepare students for the Advanced Placement Exam given in May. Students will follow a syllabus designed around the Advanced Placement course in English literature. In this course there will be a heavy concentration on reading and writing. Students will be assisted in learning to analyze that literature in depth and to write coherently on a given topic. Students will be required to keep a reading journal and a portfolio of all writing assignments throughout the course. Upon successful completion of this course, students may receive up to six (6) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.) Students must obtain a recommendation from their 11th grade English teacher for inclusion in this class.

Intro to Architecture – 7080 (Junior/Senior Course) CREDIT: 0.5

In this course students will explore the many aspects of architecture. In particular students will look at the diverse architectural styles of New York City and gain an understanding of the role an architect plays in society. This course will include an introduction to mechanical drawing and methods of presentation.

Prerequisite: Studio Art 7010. Strong measuring and spatial skills are required.

Wood Workshop – 7025 (Senior Course)..... CREDIT: 0.5

Building with wood is the main focus of this class. Simple constructions will be created using basic tools as well as some power equipment. Excellent ruler skills are essential! Class size is limited. Approval by art advisor is a must.

Prerequisite: Studio Art. Preference will be given to Sequential students and those who have taken Design.

Art Class Assistant – 7069 (Junior/Senior Course) CREDIT: 0.5

This is the perfect class for those who are interested in teaching as a career. The student attends the Studio Art class that fits into his/her schedule, in the role of the teacher's assistant. Responsibilities may include helping individual students, assisting with lessons, evaluating work, etc. The Art Class Assistant will be expected to teach several lessons. At the end of the semester, the student should have a more realistic idea of what it takes to be a teacher.

Prerequisite: At least a92 average in Studio Art.

College Art – 7033 (Junior/Senior Course) CREDIT: 0.5

College Art is also the first semester of IB Art, which is a three-semester course. During this semester the focus is placed on developing individual styles while developing the techniques needed to research and plan students' own works of art. Studying Modern artists is also part of the curriculum. See IB Art under "The International Baccalaureate Program" for full description. Upon successful completion of this course, students may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

AP Studio Art – 7066 (Junior/Senior Course) CREDIT: 1

The AP Program in Studio Art is a full year, independent study course and is intended for highly motivated students who are seriously interested in the study of art. AP work involves significantly more commitment and accomplishment than regular art courses. The AP Program is not for the casually interested.

The goal is to create a portfolio which will be sent to Princeton, NJ and judged with portfolios from around the world. An overall score from between 1 and 5 will be awarded. A high score is considered to be very prestigious. Many colleges accept this work as college credit and sometimes base scholarships on it.

Prerequisite: College Art. Approval by Art advisor is necessary.

Note: This is no longer mandatory for Sequential Art Seniors. Acceptance into this full credit course is at the discretion of the art advisor.

Intro to Music – 7011 (Freshman Course)..... CREDIT: 0.5

A basic course in the fundamentals of music including music theory, ear training and basic musicianship. The course will include specific periods of music as well as prominent composers and their works.

Intro to Band (Brass) – 7071 (All Students) CREDIT: 1

This is an introductory course, giving students with little or no experience the opportunity to become educated performers. Through daily practice, theory, ear training, and history, students will learn how to create sounds and music on the following instruments: flute, clarinet, saxophone, trumpet, French horn, trombone, baritone horn or tuba. As a group, students will experience a team effort that requires cooperation, dedication and increased listening skills. As a culmination of the course, students will be required to perform in our Spring Fine Arts Festival.

Dance – 8702 (Junior/Senior Course)..... CREDIT: 0.5

This is a beginner performance class. Students will learn how to build on dance technique to create movement phrases and dances.

There will be a minimum of three performances per year. This counts as Physical Education credit.

Intro to Band (Percussion) – 7072 (All Students)..... CREDIT: 1

This is an introductory course, giving students with little or no experience the opportunity to become educated performers. Through daily practice, theory, ear training, and history, students will learn the proper hand technique, body position, and coordination to execute rhythms on the snare drum, bass drum, cymbals and glockenspiel as well as various percussion toys. The fourth quarter students will be introduced to the drum set. As a group, students will experience a team effort that requires cooperation, dedication and increased listening skills. As a culmination of the course, students will be required to participate in our Spring Fine Arts Festival. Enrollment is limited to twelve students. Prerequisite for sophomores, juniors or seniors is approval by band instructor.

Concert Band – 7073 (All Students)..... CREDIT: 1

This is a performance based course, where students continue to develop their musical talents as well as broaden their musical tastes. Through daily rehearsal (full band and sections) students will study and prepare approximately 15-25 pieces representing classical, jazz, contemporary, holiday, and popular genres. The music will be used for concerts, assemblies, and special events. All performances are mandatory. Prerequisite: Intro to Band or approval from band instructor.

Advanced Ensemble – 7075 (All Students)..... CREDIT: 1

This is a course for the serious musician. Students develop a detailed understanding and experience through study and performance of classical, jazz and contemporary music spanning five hundred years. Through investigation and rehearsals, students will gain experience in ornamentation, improvisation and phrasing indicative of the respective styles studied. All works studied will be used for concerts and recitals in our local community as well as within the school. All performances are mandatory. Prerequisite: Approval from the instructor.

Essentials of Musicianship I – 7157 (Junior/Senior Course)..... CREDIT: 0.5

This is a one semester course that investigates and articulates the academics of music through theory, ear training, and sight singing. Students will understand how scales and intervals are constructed, the relationship between major and minor modes, the use of transposition. They will develop sight singing and reading skills using the solfege system as well as enhance listening skills through dictation. Prerequisite: One year of piano and approval from the instructor.

Essentials of Musicianship II – 7158 (Junior/Senior Course) CREDIT: 0.5

This course is a continuation of Essentials of Music I. Theory, ear training, and sight singing will be developed further as well as the introduction of counterpoint, composition, score reading and historical investigation of music spanning the past five hundred years. Prerequisite: Essentials of Music I or approval from the instructor.

Beginner Piano – 7065 (Junior/Senior Course) CREDIT: 0.5

A basic course in piano which will emphasize correct playing techniques as well as fundamental music theory. Note-reading skills will be stressed. Students will have individual keyboards to use during the class. Enrollment is limited.

Intermediate Piano – 7165 (Junior/Senior Course)..... CREDIT: 0.5

A continuation of Beginner Piano. Students will study various compositions by famous composers, some of which may include Schubert and Beethoven. Students will progress at their own pace. Prerequisite: Beginner Piano

Foreign Language Department

Italian 1 – 5310 (Freshman Course)..... CREDIT: 1

This course will introduce and develop the listening, speaking, reading, and writing skills on a basic level. The first year Italian student is expected to acquire the ability to speak briefly in Italian on every day subjects, to understand simple Italian statements, and to read and write in Italian about the topics he/she has learned.

Italian 1 Honors – 5311 (Freshman Course)..... CREDIT: 1

This course will introduce and develop the listening, speaking, reading, and writing skills on a basic level. The first year honor language student is expected to acquire the ability to speak briefly in the learned language on every day subjects, to understand statements, to read and write about topics he/she has learned, and to understand grammatical issues and write simple dialogues and short passages in the language learned. It will cover the scope of a year and a half of the regular language program.

Prerequisite: The St. Edmund Prep Placement Test and Pimsleur Test

Italian 2 – 5320 (Sophomore Course)..... CREDIT: 1

This course is a continuation from Italian 1. Speaking, listening, reading, and writing will be developed further. This course will emphasize the grammatical aspects of the language. Special emphasis will be placed on the ability to write dialogues and guided compositions and answer questions in Italian on topics studied in Italian 1 and Italian 2.

Italian 2 Honors – 5321 (Sophomore Course) CREDIT: 1

This course is a continuation of level one and will reinforce the skills acquired in Level 1H. This year the four skills will be further developed. The readings will include material from magazines, newspapers and literature. The writing assignments will increase in scope and speaking the language as a means for communication in class will be encouraged. Students at this level will be taking the New York State Comprehensive Regents in Italian in June and will be eligible to take the IB Italian I or the College Level Class next year.

Prerequisite: Completion of level 1 Honors with a grade of 85%.

Italian 3 Regents – 5330 (Junior Course) CREDIT: 1

This course will reinforce the four skills established in Italian 1 and Italian 2. This year the four skills will be further developed. The readings will include material from magazines, newspapers and literature. The writing assignments will increase in scope and speaking Italian as a means for communication in class will be encouraged.

College/AP Italian – 5341 (Junior/Senior Course) CREDIT: 1

At this level students review important concepts of Italian grammar and focus attention on the subtleties of the Italian language. Oral practice in conversation and discussion of reading selections is provided. Through the various reading selections of Italian literature, the students are given the opportunity to appreciate contemporary writing and a variety of literary genres. Upon successful completion of this course, students may receive up to six (6) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisite: minimum overall GPA of 85% and minimum grade on Italian 3 Regents of 85%.

Spanish 1 – 5510 (Freshman Course) CREDIT: 1

This course will introduce and develop the listening, speaking, reading, and writing skills on a basic level. The first year Spanish student is expected to acquire the ability to speak briefly in Spanish on every day subjects, to understand simple Spanish statements, and to read and write in Spanish about the topics he/she has learned.

Spanish 1 Honors – 5511 (Freshman Course) CREDIT: 1

This course will introduce and develop the listening, speaking, reading, and writing skills on a basic level. The first year honor language student is expected to acquire the ability to speak briefly in the learned language on every day subjects, to understand statements, to read and write about topics he/she has learned, and to understand grammatical issues and write simple dialogues and short passages in the language learned. It will cover the scope of a year and a half of the regular language program.

Prerequisite: The St. Edmund Prep Placement Test.

Spanish 2 – 5520 (Sophomore Course) CREDIT: 1

This course is a continuation from Spanish 1. Speaking, listening, reading, and writing will be developed further. This course will emphasize the grammatical aspect of the language. Special emphasis will be placed on the ability to write dialogues and guided compositions, and answer questions in Spanish on topics studied in Spanish 1 and Spanish 2.

Spanish 2 Honors – 5521 (Sophomore Course)..... CREDIT: 1

This course is a continuation of level one and will reinforce the skills acquired in Level 1H. This year the four skills will be further developed. The readings will include material from magazines, newspapers and literature. The writing assignments will increase in scope and speaking the language as a means for communication in class will be encouraged. Students at this level will be taking the New York State Comprehensive Regents in Spanish in June.

Prerequisite: Completion of level 1 Honors with a grade of 85%.

Spanish 3 Regents – 5530 (Junior Course)..... CREDIT: 1

This course will reinforce the four skills established in Spanish 1 and Spanish 2. This year the four skills will be further developed. The readings will include material from magazines, newspapers and literature. The writing assignments will increase in scope, and speaking Spanish as a means for communication in class will be encouraged.

College/AP Spanish – 5540 (Junior/Senior Course)..... CREDIT: 1

At this level, students review important concepts of Spanish grammar and focus attention on the subtleties of the Spanish language. Oral practice in conversation and discussion of the reading selections is provided. Through the various reading selections of authors of the Spanish-speaking world, the students are given the opportunity to appreciate contemporary writing and a variety of literary genres. Upon successful completion of this course, students may receive up to six (6) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.) Students who take the A.P. examination in May have the opportunity to earn up to 6 college credits.

Prerequisite: minimum overall GPA of 85% and minimum grade on Spanish 3 Regents of 85%.

Chinese 1 – 5710 (Freshman Course)..... CREDIT: 1

This course will introduce and develop the listening, speaking, reading and writing skills on a basic level. The first year Chinese student is expected to learn the pinyin system, Chinese character writing, to acquire the ability to speak briefly in Chinese on everyday subjects, and to read and write simple Chinese statements.

Chinese 2 – 5711 (Sophomore Course) CREDIT: 1

This course is a continuation of Chinese I. Speaking, listening, reading, and writing will be developed further. This course will emphasize the grammatical aspects of the language. Special emphasis will be placed on the ability to write dialogues and guided compositions and answer questions in Chinese on topics studied in Chinese 1 and 2. The student is expected to use the China Star software to write short dialogues.

Chinese 3 – 5712 (Junior Course)..... CREDIT: 1

This course will emphasize the grammatical aspects of the Chinese language. It will reinforce the skills established in Chinese I and II. The student will learn more Chinese vocabulary and will be able to read short newspaper articles and advertisements. He/she will write short compositions on various topics. Passing this course will fulfill the Regents Requirement.

Chinese 4 – 5713 (Senior Course) CREDIT: 1

This course will reinforce the four skills established in Chinese I, II and III. This year the four skills will be further developed. The readings will include material from magazines, newspapers and literature. The writing assignments will increase in scope, and speaking Chinese as a means for communication in class will be expected.

Latin 1 – 5610 (All Students)..... CREDIT: 1

This course will lay the foundation for the study of the romance languages. It will be an aid to the study of English grammar.

Travel Study Programs – 5554 (Junior/Senior Course)..... CREDIT: 0.5

A course of approximately 10-15 days usually taking place during the Easter recess. The trip may cover one or two countries, but the longer stay will be in the country of the target language. Credit is earned upon completion of an independent course of study and a final paper after the trip. Open to students enrolled in the third year of language or above.

Mathematics Department

Integrated Algebra Regents – 3111 (Freshman Course)..... CREDIT: 1

This course in Integrated Algebra is designed for students who enter high school with average mathematical ability, as determined by high school entrance and in-house placement examination scores. The first semester is an introduction to basic concepts in algebra, geometry and trigonometry. Functions and coordinate geometry, as well as probability and statistics are among the topics that will be covered in the second semester. Special emphasis will be placed on problem solving skills and real-life applications of math. Students will be introduced to the use of the TI-83 graphing calculator through these applications. Students will be preparing to take the required Integrated Algebra Regents exam in June.

Integrated Algebra Honors – 3117 (Freshman Course)..... CREDIT: 1

This Honors level course in Integrated Algebra is designed for students who enter high school with above average mathematical ability, as determined by high school entrance and in-house placement examination scores. The first semester is an introduction to basic concepts in algebra, geometry and trigonometry. Functions and coordinate geometry, as well as probability and statistics are among the topics that will be covered in the second semester. Students will be introduced to the use of the TI-83 graphing calculator through these applications. Students will be preparing to take the required Integrated Algebra Regents exam in June.

Integrated Algebra SG – 3113 (Freshman Course)..... CREDIT: 1

This course in Integrated Algebra is designed for students who enter high school with below average mathematical ability, as determined by high school entrance and in-house placement examination scores. The first semester is an introduction to basic concepts in algebra, geometry and trigonometry. Functions and coordinate geometry, as well as probability and statistics are among the topics that will be covered in the second semester. Special emphasis will be placed on problem solving skills and real-life applications of math. Students will be introduced to the use of the TI-83 graphing calculator through these applications. Students will be preparing to take the required Integrated Algebra Regents exam in June. This class will be a double-period in the second semester in order to better prepare for the Regents exam.

Geometry Regents – 3121 (Freshman/Sophomore Course) CREDIT: 1

This course is designed for students who have completed Integrated Algebra Regents. The course will emphasize topics in Euclidean and coordinate geometry, which includes formal proofs. Knowledge of such topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Geometry Regents exam in June.

Geometry Honors – 3127 (Freshman/Sophomore Course) CREDIT: 1

This Honors level course is designed for students who have completed Integrated Algebra Honors with a minimum average of 85% and have earned a minimum score of 80 on the Integrated Algebra Regents exam or who have received departmental approval. The course will emphasize topics in Euclidean and coordinate geometry, which includes formal proofs. Knowledge of such topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Geometry Regents exam in June.

Geometry SG – 3123 (Sophomore Course)..... CREDIT: 1

This course is designed for students who have completed Integrated Algebra SG. The course will emphasize topics in Euclidean and coordinate geometry, which includes formal proofs. Knowledge of such topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Geometry Regents exam in June. This class will be a double-period in the second semester in order to better prepare for the Regents exam.

Algebra 2/Trig Regents – 3131 (Sophomore/Junior Course) CREDIT: 1

This course is designed for students who have completed Geometry Regents. The course will emphasize topics in intermediate algebra and trigonometry. Knowledge of all topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Algebra 2/Trigonometry Regents in June.

Algebra 2/Trig Honors – 3137 (Sophomore/Junior Course) CREDIT: 1

This course is designed for students who have completed Geometry Honors with a minimum average of 85% and scored an 80 or above on both the Algebra and Geometry Regents exams or who have received departmental approval. The course will emphasize topics in intermediate algebra and trigonometry on the Honors level. Knowledge of all topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Algebra 2/Trigonometry Regents in June.

Algebra 2/Trig SG – 3133 (Junior Course)..... CREDIT: 1

This course is designed for students who have completed Geometry SG. The course will emphasize topics in intermediate algebra and trigonometry. Knowledge of all topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Algebra 2/Trigonometry Regents in June.

Geometry – 3136 (Junior Course)..... CREDIT: 1

This course is designed for students who have completed Integrated Algebra/Geometry. The course will emphasize topics in Euclidean and coordinate geometry, which includes formal proofs. Knowledge of such topics will be enriched by the use of the TI-83 graphing calculator. Students will be preparing to take the Geometry Regents exam in June.

College Pre-Calculus – 3041 (Junior/Senior Course)..... CREDIT: 1

This course is designed to prepare students for college level calculus. Major topics include functions, matrices, limits, derivatives, trigonometric applications, polar coordinates, complex numbers, and natural logarithms. Knowledge of such topics will be enriched by the use of the TI-83 graphing calculator. Upon successful completion of this course, students may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisite: A minimum average of 80% in Algebra 2/Trig Honors, or 85% in Algebra 2/Trig Regents or departmental approval. This course is also open to juniors taking Algebra 2/Trigonometry Honors/Regents who have a special interest in mathematics and are considering taking AP Calculus in senior year. These students must have a minimum average of 90% in Geometry Honors/Regents and departmental approval.

College/AP Calculus – 3060 (Junior/Senior Course) CREDIT: 1

This is a college level calculus course that covers differential and integrated calculus. Students will take the AP exam in AB Calculus upon completion of the course to potentially earn college credit. This class will be a double-period in the first semester in order to better prepare for the AP exam in May. Upon successful completion of this course, students may receive up to four (4) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisite: A minimum average of 85% in Algebra 2/Trig Honors or College Pre-Calculus, a passing score on the Algebra 2/Trig Regents and departmental approval.

Math Lab – 3900 (All Students) CREDIT: 0

This course is designed for students who enter high school with below average mathematical ability, as determined by high school entrance and in-house placement examination scores, or who have not yet earned the minimum score on the Math Regents exam required for graduation. Selected students may be scheduled for these labs in addition to their required math course. This course will review pre-algebra topics, as well as integrate various topics from algebra, geometry and trigonometry on a basic level. Special emphasis will be placed on problem solving skills.

Physical Education Department

Physical Education 09 – 8510 (Freshman Course) CREDIT: 0.5

This course teaches the importance of physical fitness, introduction to volleyball and square and line dancing. Student coordination, cardiovascular endurance, eye-hand coordination, speed, agility, rhythmic abilities and general social attitudes are developed in this program.

Physical Education 10 – 8520 (Sophomore Course) CREDIT: 0.5

This course deals with introduction to basketball, soccer and track and field. Skills such as speed, agility, endurance, flexibility, balance, strength and coordination are emphasized.

Physical Education 11 – 8530 (Junior/Senior Course) CREDIT: 0.5

Speedball, badminton and Yoga/Core ball exercises are taught in this course. Fitness skills such as toning and strengthening, cardiovascular endurance, speed agility flexibility, coordination and overall body awareness are emphasized in this program as well as sportsmanship and leadership.

Physical Education 12 – 8540 (Junior/Senior Course) CREDIT: 0.5

In senior year students may choose three or four areas that they would like to cover. These activities include soccer, volleyball II, basketball II, aerobics/weight training, flag football, fitness, track and field, speedball, badminton, step aerobics, social dance

Advanced Physical Education – 8542 (Junior/Senior Course) CREDIT: 0.5

Students will learn skills needed to assist teachers in the Physical Education foundation 9-12. Skills include organization, teaching skills, effective planning and some officiating. Program is subject to approval by Physical Education Department. This counts as your Physical Education credit. Approval by physical education teacher is required. In addition to assisting teacher, students will be required to meet before school once a week.

Sports Officiating – 8543 (Junior/Senior Course) CREDIT: 0.5

Students will be taught the rules, officiating mechanics and officiating philosophy for basketball (men's and women's) and baseball and softball. Texts for the class will be the official rules and officiating manuals for these sports. Students will also learn how to keep score for both sports and learn to keep the time for basketball. At the end of the course, successful students who wish to pursue sports officiating, will be put in touch with local officiating associations. This course does not count as a Physical Education credit. Class size is limited to 20 students.

Skiing – 8547 (Junior/Senior Course)..... CREDIT: 0.5

This course allows students to acquire a knowledge and appreciation for skiing or snowboarding and to enable students to enjoy a lifetime activity. Skills taught on site at Mt. from beginning to intermediate. This course will help develop self-confidence, relaxation, sense of appreciation toward oneself and peers. Class will meet one day a week in the gym after school for 45 minutes to do physical work and it is mandatory that each student attend 3 day trips. Additional cost is approximately \$340.00. This does count as a Physical Education credit.

Golf – 8600 (Junior/Senior Course)..... CREDIT: 0.5

[NOT OFFERED IN 2011-2012] This class teaches students the basic skills for golf and gives them knowledge needed to play the game. It introduces a lifetime activity to students. Students develop a better understanding of the game, improve eye-hand coordination, flexibility, focus, strength and body awareness. Class meets every day of the week in the gym for one semester. Students must be prepared in physical education uniform. Time will be spent at the driving range as well as the gym.

Weight Training – 8544 (Junior/Senior Course) CREDIT: 0.5

This course involves working in the weight room to help strengthen and tone various muscles in the body and use of machines properly to help lead students toward the achievement of fitness objectives. This course will aim to teach students proper techniques lifting weights and building strength, flexibility, muscle tone, stamina and cooperation and respect toward others. Class will be limited to 15 students per class. This counts as your Physical Education credit.

Yoga/Pilates – 8550 (Junior/Senior Course)..... CREDIT: 0.5

This course will teach students the different types of Yoga and basic poses in Yoga and Pilates. The course is designed to teach stretching techniques that will help students become more flexible, stronger, gain muscle tone, relieve stress and an overall better body physically, mentally and spiritually. Teaches students how to focus better and to give students a more positive attitude of themselves as well as seeing others in a more positive way. Pilates is an exercise method that relies on strengthening core muscles and develops good body alignment. Improves total body strength, flexibility, balance and posture. Class limit will be 18 students.

First Aid/Safety/CPR – 8546 (Junior/Senior Course)..... CREDIT: 0.5

Course is designed to provide students with knowledge and skills necessary to perform basic first aid and CPR, and to respond appropriately in an emergency. Class will meet for one semester in classroom. Student will receive American Red Cross certification cards for First Aid and CPR when successfully completing the course. This is an elective class, and does not count toward required Physical Education credit.

Religious Studies Department

Religion 09-The Bible – 0012 (Freshman Course)..... CREDIT: 0.5

This course guides students' in exploring the Bible. They will grow in understanding of Revelation and Inspiration, come to know the people of salvation history, and encounter Jesus Christ as the path of our salvation.

Religion 10-Jesus in the New Testament – 0022 (Sophomore Course) CREDIT: 0.5

This course focuses on the New Testament, with priority given to the Gospels. Students will examine the tenets and teachings of Jesus as they apply to their lives. A historical perspective is included to enable students to appreciate the style and genre of the New Testament writers. A study of scripture enables students to know the person of Jesus the Christ.

Religion 10-Catholic Conscience – 0021 (Sophomore Course)..... CREDIT: 0.5

The content of this course of study will try to help young Christians apply Catholic Christian moral values as maturing persons who are becoming increasingly capable of using decision-making skills to make free and responsible choices. The goal of the moral life is to achieve holiness, particularly eternal happiness with God. During this course students will be discussing many issues and concerns. They will have the opportunity to explore their decisions, behaviors, and the wisdom of the Bible and the teachings of the Roman Catholic Church. The course invites students to look at morality that comes from Sacred Scripture and Catholic tradition.

Church History: The First Five Centuries – 0042 (Junior/Senior Course) CREDIT: 0.5

Students will be introduced to the richness of the early Christian tradition between the first and fifth centuries. This is not a survey of great theologians, but rather an exploration of the social, ritual and doctrinal dimensions of life in the early Christian communities. The course will consider the Church's relationship with the Empire and discuss Christianity's success in the Mediterranean and beyond.

The American Catholic Experience – 0043 (Junior/Senior Course) CREDIT: 0.5

This course will introduce students to the history of American Catholicism. There will be a historical overview of the Catholic presence in the New World during the age of exploration to the Colonial period, the struggles of an immigrant Church in the period after the Civil War, and the challenges to Catholics in the late nineteenth and early twentieth century. It will focus on the influences that certain people have had on the Church in America. Special attention will be paid to African American Catholics who have had an influence in making up the American Catholic mosaic.

Christian Lifestyles – 0056 (Junior/Senior Course)..... CREDIT: 0.5

The course discusses the Christian vocational call by examining ways in which adults share God's love with others, through the single, married, and ecclesiastical lifestyles. The emphasis is on building positive relationships which are caring and responsive to the needs of others. The church's expectations for a Catholic wedding, marriage, and human sexuality will be covered. Students will also discuss the joys, challenges, and difficulties that are part of each lifestyle. Students should also discover some of their own interests, aptitudes and desires of life.

Parables & The New Testament – 0058 (Junior/Senior Course)..... CREDIT: 0.5

This course will examine the New Testament with a special emphasis on the parables of Jesus. The course will aim to help students to read the New Testament as the living word of the Lord with values that can be applied to one's personal life. Jesus' parables are timeless and powerful. Their characters are memorable. The spiritual truths taught cross time and history. Enjoy the insights as we explore the New Testament and many of the parables Jesus told on His way from Galilee to His death in Jerusalem.

Jesus, According to a Woman – 0061 (Junior/Senior Course) CREDIT: 0.5

In this course we will examine Jesus in His relationship with women, and the changing image of women in church and society. This course will try to answer, "what does it mean that both women and man are made in God's image? How significant is it that Jesus was male? Was His prime importance humanness rather than maleness?"

Roots of Christian Worship Music – 0044 (Junior/Senior Course)..... CREDIT: 0.5

This course is intended to introduce students to the development of Christian music as it relates to Catholic traditions. Students will begin with a study of the history and societal beliefs of each era in relation to the liturgical music of the time. This course will consider the Psalms of David, Gregorian Chant, Classical Settings, the Vatican II Movement, Folk Masses and today's Christian rock movement.

Being Catholic – 0041 (Senior Course) CREDIT: 0.5

This course provides a comprehensive examination of the essential doctrines of the Roman Catholic faith. Based on the teaching of The Catechism of the Catholic Church the course has as its foundation the "four pillars": The Creed, Christian Life, Sacraments, and Prayer with the study of faith as the unifying theme.

Christian Service – 0050 (Senior Course) CREDIT: 0.5

This course is designed to give seniors an opportunity to be of service in their community. Students will be required to volunteer for a minimum of sixty hours of donated services. This may be accomplished within local parishes, nursing homes, senior citizen residences, hospitals or in other community projects. The approval of S. Barbara is required.

College World Religions – 0064 (Junior/Senior Course) CREDIT: 0.5

[NOT OFFERED IN 2011-2012] A survey of the beliefs and rituals, as well as the historical and cultural contexts of the major religious/philosophical traditions of Judaism, Christianity, Islam, Hinduism, Taoism, Buddhism and Confucianism. A general comparison of Western and Eastern beliefs. Upon successful completion of this course, students (seniors only) may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Requirements: School Average of 85 and a minimum grade in religion courses of 85.

College Intro to the Bible – 0060 (Junior/Senior Course) CREDIT: 0.5

This course is intended to introduce students to the Bible and its study. Students will begin with general knowledge pertaining to the history, composition, literary forms, transmission, translation, theology and different canons of the Hebrew and Christian testaments. The second part of the course will focus on selected contents of the two testaments. Upon successful completion of this course, students (seniors only) may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Requirements: School Average of 85 and a minimum grade in religion courses of 85.

College Synoptic Gospels – 0062 (Junior/Senior Course) CREDIT: 0.5

Matthew, Mark and Luke are explored as parallel Gospel accounts that present a remarkably similar perspective on the life of Christ while retaining distinguishing particulars. Priority will be given to the picture of Jesus presented so uniquely by each Gospel writer. Upon successful completion of this course, students (seniors only) may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Requirements: School Average of 85 and a minimum grade in religion courses of 85.

Science Department

Biology Regents – 4021 (Freshman/Sophomore Course) CREDIT: 1

Life and how it interacts with the surrounding environment is the primary focus of this regents course. Topics discussed include evolution, ecology, genetics and biodiversity, reproduction, scientific method, biochemical compounds, human body systems, simple and complex organisms. Labs are a requirement with a minimum of 20 hours of lab work, including written lab reports. Students are required by the state to take the Biology Regents in June and earn a 65 or better for a high school diploma.

Biology Honors – 4024 (Freshman/Sophomore Course)..... CREDIT: 1

Students will be selected to take the Biology course in a more challenging atmosphere. Topics discussed include those in the Biology curriculum but in greater detail and in a more in-depth analysis of the subject matter. Labs are a requirement with a minimum of 20 hours of lab work, including written lab reports. Students will be required to design their own experiment following the scientific method.

Chemistry Regents – 4031 (Junior Course)..... CREDIT: 1

This course follows the New York State syllabus for Regents Chemistry. This course investigates the composition, structure and properties of matter, the changes which matter undergoes and the energy accompanying these changes. Topics studied include: matter and energy, atomic structure, the periodic table, kinetics and equilibrium, redox and electrochemistry, bonding, acids and bases, organic chemistry and nuclear chemistry. This is done through both lecture and laboratory demonstrations.

Prerequisites: Biology Regents

Chemistry Honors – 4035 (Junior Course)..... CREDIT: 1

In-depth study of Chemistry topics, matter, thermochemistry, atomic structure, bonding, kinetics, electro chemistry, acid-base and organic chemistry. This course prepares students for chemistry regents as well as covers some advanced placement chemistry topics. Laboratory work and labs repertory a requirement. Pre-requisites: Biology Regents

Physics Regents – 4041 (Junior/Senior Course)..... CREDIT: 1

This course follows the New York State syllabus for Regents Physics. Through the study of such topics as mechanics, energy, electricity and magnetism, optics, nuclear energy and modern physics, students are given a solid foundation in the fundamentals of the science of physics. This is done through lecture, computer simulations, and laboratory procedures. Mathematical competency is necessary for successful completion of the course.

Prerequisites include passing the Biology and/or Chemistry Regents. This is a challenging course and you should speak to your science teacher about the pros and cons of taking it.

Earth Science Regents – 4011 (Sophomore/Junior/Senior Course) CREDIT: 1

This full year course follows the NYS syllabus for Earth Science and regents credit is given to students who achieve a 65 or better on the Earth Science Regents examination. This course includes both lecture and laboratory sessions in which the following topics will be covered: observation and measurement, changing environment, measuring earth, earth motions, energy and earth processes, isolation and seasons, weather, water energy and climate, weathering and erosion, deposition, rock formation, dynamic crust and earths interior, geologic history, landscape development.

Environmental Science – 4057 (Sophomore/Junior/Senior Course) CREDIT: 1

There is an urgent need for Environmental Education in today's fast paced society. This course is a REAL-LIFE science course. It will teach about the important environmental issues and how they affect the lives of you and your family. This class will provide several ways in which you can become aware of the many environmental problems caused by the human race and how they affect our surrounding environments. It will promote awareness and concerns for the well being of our backyard, the block we live on, our community, our state, our country and our planet. This full year course will introduce the major ecological concepts and environmental issues. You will also learn about the technological developments that have created the environmental problems like air, water, ground and food pollution, as well as the technological advances that are trying to solve them.

Prerequisites: Biology and one or more of the following: Earth Science, Chemistry or Physics, plus Math 1.

Anatomy & Physiology – 4053 (Junior/Senior Course)..... CREDIT: 1

This full year course examines complementary relationships between structure and function; dynamic aspect, integration of organs and organ systems in the maintenance of normal functioning of the human organism. This elective is ideal for a student who is considering a career in the medical field.

Prerequisite: Biology

Marine Biology – 4056 (Junior/Senior Course)..... CREDIT: 0.5

This course is the study of life in the sea. It deals with the kingdoms of life in the sea, energy in the ocean, and marine ecology. It will include characteristics of marine environments such as the seashore, ocean basin and the open ocean. Through the use of field trips, lab experiments and lectures the world of marine science is brought into perspective.

Prerequisite: Biology

Biology for the Health Field – 4055 (Junior/Senior Course)..... CREDIT: 0.5

This course deals with biology within the medical field. It includes anatomy and physiology, diseases, medical terms and current medical issues and trends. This course is an elective geared toward any student interested in pursuing the health field after high school.

Prerequisite: Biology

Forensic Science – 4052 (Junior/Senior Course)..... CREDIT: 0.5

This course deals with the study of science in the field of forensics, lectures will be conducted on topics including: Intensive Crime Scene Investigations, Collecting Physical Evidence, Forensic Toxicology and Analyzing Hair and Fibers. In addition, laboratory experiments will be done to bring the analysis of evidence into the classroom. This course is ideal for students considering a career in the forensics or criminal intelligence fields.

Infectious Diseases – 4061 (Junior/Senior Course)..... CREDIT: 0.5

This course provides an introduction to study of infectious diseases through the fields of microbiology, immunology, virology, biotechnology, and pathology. General microbiological concepts such as microbial structure, growth, and metabolism will be used to study a disease's mode of infection, the body's defense mechanisms and immune response. The HIV/AIDS virus, Ebola virus, Lassa fever virus, Tuberculosis and Meningitis bacteria are among the infectious agents that will be discussed.

Prerequisite: Biology Regents

Neuroscience – 4051 (Junior/Senior Course)..... CREDIT: 0.5

This course provides an introduction to various topics of neuroscience, the study of the brain. It covers a variety of topics including development, anatomy, signal transduction, neurotransmission and diseases of the nervous system. During this course, students will gain insight into a relatively new and growing field, while learning how their own brains function.

College/AP Biology – 4043 (Junior/Senior Course)..... CREDIT: 1

This course deals with an intense study of living organisms and their environment. Topics include respiration and photosynthesis, biochemistry, evolution, genetics, anatomy and physiology, and the cell and its functions. This course deals with all the five kingdoms and their phyla. Textbooks will be issued in June along with an assignment that will be due the first week in September. Labs will be performed, many of which require extended time outside of the school day. Students must be committed to spending time before or after school in order to complete lab work. (approximately 2-3 times a quarter). In addition to the fee to the college board for the administration of the AP exam, students may be required to purchase additional review books and materials in order to prepare for the successful completion of the AP exam. Upon successful completion of this course, students (seniors only) may receive up to four (4) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisites: a passing grade on the Biology and Chemistry Regents, a minimum average of 90% in all previous science courses.

AP Chemistry – 4044 (Junior/Senior Course)..... CREDIT: 1

College General Chemistry course covers topics in qualitative, quantitative, analytical, quantum and physical chemistry. A required summer assignment will be issued with the textbook in June. Laboratory work is required. Students are expected to spend free periods completing lab work and may be required to purchase additional review books and materials in order to prepare for the successful completion of the AP exam.

Prerequisite: a minimum average of 90% in Chemistry and Geometry, and a minimum grade of 80% on the Chemistry Regents.

Health – 4042 (Sophomore Course)..... CREDIT: 0.5

Health Education is a half year course required for graduation. Health Education enables individuals to maintain and promote health in a continually changing world, through the acquisition of understanding, attitudes and skills. Health Education addresses the continuum from health promotion to risk reduction to the prevention and management of health problems. Health Educational is multi-disciplinary in that it draws upon many other fields of learning such as the biological, environmental, and physical.

Social Studies Department

Global History/Geography I Regents – 2011 (Freshman Course)..... CREDIT: 1

The first part of a two-year course that examines the historical, cultural and social developments from the Stone Age to the French Revolution. Students study societies from Africa, Asia, Europe, Latin America and the Middle East. During the course of the year, students will write papers and participate in group presentations. Students will also be responsible to construct responses to maps, graphs, charts, speaker quotations, and primary sources. In addition, students will be required to analyze and complete document-based essay questions.

Global History/Geography I Honors – 2012 (Freshman Course)..... CREDIT: 1

The first part of a two-year course in which students will engage in an in-depth study of the historical, cultural and social developments from the Stone Age to the French Revolution. Students will critically analyze primary sources as they study the development of societies from Africa, Asia, Europe, Latin America and the Middle East. During the course of the year, students will write research papers and participate in group presentations with their peers. Students will be responsible to construct responses to maps, graphs, charts, and political cartoons. Students will focus in detail on the New York State curriculum as they explore the themes/trends that have evolved over time.

Global History/Geography I SG – 2008 (Freshman Course)..... CREDIT: 1

The first part of a two year course that examines the historical, cultural and social developments from the Stone Age to the French Revolution. Students study societies from Africa, Asia, Europe, Latin America and the Middle East. Students will concentrate on test taking skills such as essay writing. In addition, students will be required to analyze primary sources and complete document-based essay questions.

Global History/Geography II Regents – 2021 (Sophomore Course)..... CREDIT: 1

The second part of a two year course that examines the historical cultural and social developments from post French Revolution through present day. Students study societies from Africa, Asia, Europe, Latin America and the Middle East. Students will be expected to analyze and complete document-based essays, evaluate maps, charts and graphs so as to compare and understand the political, economical and social facets of each society. In addition, students will be preparing for the Regents exam which will be taken at the conclusion of the course.

Global History/Geography II Regents SG – 2024 (Sophomore Course)..... CREDIT: 1

The second part of a two year course that examines the historical, cultural and social developments from the French Revolution through present day. Students study societies from Africa, Asia, Europe, Latin America and the Middle East. Students will concentrate on test taking skills such as essay writing. Students will compare and contrast the political, economical and social facets of each society. Students will continue to analyze primary sources and complete document-based essay questions. In addition, students will be preparing for the Regents exam which will be taken at the conclusion of the course.

American History Regents – 2031 (Junior Course)..... CREDIT: 1

This course offers a survey of the political, cultural, economic and social development of the American people. The purpose of this course is to develop the major concepts that underlie an understanding of an identity with the American people. There is an emphasis on the people of America, American cultural patterns, government and politics and the role of the United States in world affairs. In order to prepare for the Regents which will be taken at the conclusion of this course, students will be expected to analyze and complete document-based essays, evaluate maps, charts and graphs so as to compare and understand the political, economic, and social facets of United States society.

American Government – 2040 (Senior Course) CREDIT: 0.5

The student will gain a greater understanding of how our democracy functions by exploring the history and structure of the government of the United States. Students will also explore the meaning and function of the American political system. Special emphasis will be given to ways students can participate in government and what it means to be an American citizen.

Economics – 2045 (Senior Course) CREDIT: 0.5

The student will gain an understanding of economics by studying the history, principles and functions of the Free Market System of the United States. Students will also explore "personal economics" - budgets, credit, career, taxes, etc.

Sociology – 2050 (Junior/Senior Course)..... CREDIT: 0.5

This course is intended as a general introduction to the field of sociology. There will be an investigation into the presuppositions, basic concepts and approaches of sociological thought. Care will be taken to examine such fundamental ideas as history, culture, progress, utopias and the closed society as opposed to the open society.

Street Law – 2053 (Junior/Senior Course)..... CREDIT: 0.5

In this course students will examine federal, state, and local laws and how they apply to citizens of the United States. In addition, the criminal justice system, drug related crimes, and court procedures are major topics of study in this course. All students will be expected to participate in class debates and prepare mock trials throughout the semester.

Issues in Education – 2967 (Senior Course)..... CREDIT: 0.5

This course is designed to give the student an overview of the many issues that shape and impact both public and private schools. We will examine the qualities of good teachers and administrators. The students will become familiar with the characteristics of successful schools, technology in the classroom, curriculum development, Bloom’s Taxonomy, and lesson planning. Students will be offered the opportunity to observe a teacher, write a lesson plan, and teach a lesson to a class. There will be required readings, examinations and papers.

Intro to Anthropology – 2064 (Junior/Senior Course)..... CREDIT: 0.5

This course is a general introduction to anthropology and its sub fields: cultural anthropology, archaeology and linguistics. This course will focus on the study of rituals, traditions, and other characteristics of many cultures and tribes in regions such as: Africa, Southeast Asia, West Indian Islands, New Guinea, and the Americas.

The History of NYC – 2060 (Junior/Senior Course)..... CREDIT: 0.5

In this course you will study New York City from its origins to the present. The course will focus on New Amsterdam under the Dutch and English imperial periods, the Battle of Brooklyn, slavery, piracy, the infamous Five Points, housing and architecture, Coney Island, and the September 11th terrorist attack.

Child Development – 2057 (Junior/Senior Course)..... CREDIT: 0.5

This course is designed to introduce the student to the wonder-filled world of the child. Topics to be discussed include the prenatal and natal periods, physical, emotional and social development during the childhood years.

AP European History – 2026 (Sophomore Course)..... CREDIT: 1

Students in this course will take part in an in-depth study of the cultural, economic, political and social development of Europe since 1450. Students will be required to take the AP exam for college credit. Approval to take the course is based on a GPA of 90 or above, document analysis and a writing sample.

College/AP American History – 2032 (Junior/Senior Course)..... CREDIT: 1

This course is designed for the above average student. It is an in depth study of history, politics, economics and culture of the United States. Qualifying exam in May, if passed, will give the student advanced placement credit. Inclusion in the program is determined by academic achievement. Student should have maintained a 90 average or higher in American History and/or Global History. Upon successful completion of this course, students may receive up to six (6) college credits through St. John’s University; some fees may apply (see related "fees" section at the end of this catalog.)

College/AP US Government & Politics – 2046 (Senior Course) CREDIT: 1

Students in this course examine the principles and processes of government and of the US government in particular. Emphasis is on the study of the national government, with inclusion of state and local levels throughout the course and later as a separate unit. The American political and economic systems, and the people and institutions that facilitate those systems, are the focus of this course. Inclusion in the program is determined by academic achievement. Student should have maintained a 90 average or higher in American History and/or Global History. Upon successful completion of this course, students (seniors only) may receive up to six (6) college credits through St. John’s University; some fees may apply (see related "fees" section at the end of this catalog.)

Psychology – 2051 (Junior/Senior Course) CREDIT: 0.5

This course is designed to give you a basic understanding of the concepts and theories of psychology. It will help you understand your personal growth as well as others. You will explore and analyze the different theories that exist to explain human behavior. The main theorists that will be studied include: Sigmund Freud, Karen Horney, Carl Jung, John Watson and Erik Erikson.

Adolescent Psychology – 2052 (Junior/Senior Course) CREDIT: 0.5

This course discusses those issues facing adolescents today. It is designed to provoke discussion and debate amongst peers. Popular topics include self-esteem, self-concept, peer pressure, relationships and dating, eating disorders, and alcohol/drugs. Students will also discover the legendary psychological theories concerning adolescence. Articles and media will be presented to assist the students in gaining better understanding.

Perspectives in Psychology – 2049 (Junior/Senior Course) CREDIT: 0.5

This is a one semester course which serves as an introduction to the IB Psychology curriculum. Students will begin learning about the different perspectives that encompass the study of psychology (biological, cognitive, etc.). The primary mode of assessment is written. This course is a prerequisite for those students who wish to take IB Psychology.

AP Psychology – 2059 (Junior/Senior Course) CREDIT: 1

Advanced Placement Psychology is an accelerated course in psychology. The aim of this course is to provide the student with a learning experience equivalent to that obtained in a college introductory psychology course. Topics will include: major theorists, causes of behavior (normal and abnormal), treatment modalities, developmental approaches and personality. Students should be prepared to accept the challenge of a rigorous academic curriculum. At the completion of this course students will be required to take the advanced placement exam. Note: Most colleges accept a score of 3 or higher as an Introduction to Psychology credit. Cumulative GPA requirement of 85 required to take this course.

College Psychology – 2055 (Junior/Senior Course) CREDIT: 0.5

This is a one semester college level course that includes the fundamental introduction of the basic research findings and theories that make up the study of psychology. Topics of study include the exploration, nature and methods involved in the scientific study of human behavior. The course stresses topics such as learning, emotions, personality assessment, perception and psychological treatment. Students will be required to hand in a research paper. Upon successful completion of this course, students (seniors only) may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.) Prerequisite: Juniors must have a cumulative GPA of 85 - Seniors must have a cumulative GPA of 80.

College Abnormal Psychology – 2058 (Junior/Senior Course) CREDIT: 0.5

This is a one semester college level course (taught only in the Spring Semester) that will offer an introduction to the study and treatment of mental illness. Topics will include major disorders in behavior such as anxiety disorders, mood disorders, personality disorders, and psychotic disorders. In addition, an in-depth study of the therapeutic theories of treatment is included. Students will be required to hand in a research paper as well as participate in a group presentation. Upon successful completion of this course, students (seniors only) may receive up to three (3) college credits through St. John's University; some fees may apply (see related "fees" section at the end of this catalog.)

Prerequisite: College Psychology (Student must have earned a grade of C+ or better). Juniors must have a cumulative GPA of 85; Seniors must have a cumulative GPA of 80.

Driver Education – 7070 (Sophomore/Junior/Senior Course) CREDIT: 0

This course follows the NYS curriculum and attempts through individual and group learning experiences to enable students to identify and master basic defensive driving skills, habits and attitudes. Student must be 16 years of age by September 15 for the Fall term, and February 2 for the Spring term. It is recommended that a Learner's Permit be obtained prior to the beginning of the course. (ADDITIONAL FEE IS REQUIRED).

The International Baccalaureate Program

Founded in 1960, one of the main goals of the IB Program is the hope that a shared academic experience emphasizing critical thinking and exposure to a variety of viewpoints will foster tolerance and intercultural understanding among young people. The educational philosophy of the organization is found in its mission statement adopted in 1996: *Through comprehensive and balanced curricula coupled with challenging assessments, the International Baccalaureate Organization aims to assist schools in their endeavors to develop the individual talents of young people and teach them to relate the experience of the classroom to the realities of the world outside. Beyond intellectual rigor and high academic standards, strong emphasis is placed on the ideals of international understanding and responsible citizenship, to the end that IB students may become critical and compassionate thinkers, lifelong learners and informed participants in local and world affairs, conscious of the shared humanity that binds all people together while respecting the variety of cultures and attitudes that makes for the richness of life.*

Diploma candidates are required to select one subject from each of the six subject groups: English, World Languages, History, Experimental Sciences, Mathematics, and Arts and Electives. Additionally, diploma candidates must take the Theory of Knowledge course in Junior and Senior year.

Group 1 – Language A

IB English I (HL) – 1700 (Junior Course) CREDIT: 1

This is the first of a two-year course. The aim of the Language A-1 program (Higher Level) is foremost to encourage student appreciation of literature and an understanding of the techniques involved in literary criticism. Students taking this class will study works from other cultures as well as works that have been translated from other languages. Students will engage in an intense study of written text; furthermore, development of oral and written expression as a means of communicating about literature will be included in the Language A-1 program. Student assessment will be based on the internal assessments required by the IB Program and other means included by the Language A-1 teacher. One external assessment paper will be started by the end of the spring in a student's junior year.

IB English II (HL) – 1701 (Senior Course) CREDIT: 1

This course continues the curriculum outlined in the 1700 course.

Group 2 – Language B

IB Italian I (SL) – 5700 (Junior Course)..... CREDIT: 1

This is the first of a two-year course. IB Italian is the third year of a sequential study of the Italian language and culture. IB Italian is designed to further develop the four primary skills of listening, speaking, reading and writing. All language skills are studied through a range of texts and materials including newspapers, magazines, literature, the internet and films. Students will develop a greater awareness of, and sensitivity to the Italian culture and discuss similarities and differences with their own culture. There is an emphasis on writing and creating original compositions which will be prepared for both the internal and external assessment as part of the IB score. Students are required to take the IB Italian SL exam in May of their senior year.

Prerequisite: Department approval.

IB Italian II (SL) – 5701 (Senior Course)..... CREDIT: 1

This course continues the curriculum outlined in the 5700 course.

IB Spanish I (SL) – 5702 (Junior Course) CREDIT: 1

This is the first of a two-year course. IB Spanish is the third year of a sequential study of the Spanish language and culture. IB Spanish is designed to further develop the four primary skills of listening, speaking, reading and writing. All language skills are studied through a range of texts and materials including newspapers, magazines, literature, the internet and films of the Hispanic world. Students will develop a greater awareness of, and sensitivity to the Hispanic culture and discuss similarities and differences with their own culture. There is an emphasis on writing and creating original compositions which will be prepared for both the internal and external assessment as part of the IB score. Students are required to take the IB Spanish SL exam in May of their senior year.

Prerequisite: Department approval.

IB Spanish II (SL) – 5703 (Senior Course) CREDIT: 1
This course continues the curriculum outlined in the 5702 course.

IB Mandarin Chinese I (SL) – 5714 (Junior Course) CREDIT: 1
This is the first of a two-year course. IB Mandarin Chinese is the third year of a sequential study of the Mandarin Chinese language and culture. IB Mandarin Chinese is designed to further develop the four primary skills of listening, speaking, reading and writing. All language skills are studied through a range of texts and materials including newspapers, magazines, literature, the internet and films. Students will develop a greater awareness of, and sensitivity to the Mandarin Chinese culture and discuss similarities and differences with their own culture. There is an emphasis on writing and creating original compositions which will be prepared for both the internal and external assessment as part of the IB score. Students are required to take the IB Mandarin Chinese SL exam in May of their senior year.
Prerequisite: Department approval.

IB Mandarin Chinese II (SL) – 5715 (Senior Course)..... CREDIT: 1
This course continues the curriculum outlined in the 5714 course.

Group 3 – Individuals and Societies

IB History of the Americas I (HL) – 2700 (Junior Course)..... CREDIT: 1
This is the first of a two-year course. The first course in the two-year Individuals and Society sequence of the IB program is a comprehensive study of the 3 regions within North America; Canada, the United States and Latin America. The course will address a variety of political, economic, social and cultural aspects within the development of each region with an in depth study of a 100 year period.

IB History of the Americas II (HL) – 2701 (Senior Course)..... CREDIT: 1
The second course in the two-year History and Society sequence of the IB program looks at a number of historical events that took place within the 20th century. Case studies involving the changing face of war, the rise and fall of dictators and the changing relationships of countries involved in the Cold War will all be evaluated. This course will require an internal assessment along with Papers 1, 2, and 3.

Group 4 – Experimental Sciences

IB Biology I (HL) – 4700 (Junior Course) CREDIT: 1
This is the first of a two-year course. This is a higher level, two-year biology course. The course consists of 180 hours of lecture (theory) and 60 hours of laboratory investigations. An interdisciplinary research project is mandatory and will account for 10-15 of the 60 required lab hours. The aim of this course is to present students with a large amount of information and have those students acquire a limited body of facts while at the same time developing a broad, general understanding and appreciation of the principles of the subject. There are four basic biological concepts that run throughout the course: relationships between structure and function, universality vs. diversity, equilibrium within systems, and evolution. A summer assignment will be issued in June along with the textbook.

IB Biology II (HL) – 4701 (Senior Course)..... CREDIT: 1
This course continues the curriculum outlined in the 4700 course. A summer assignment will be issued in June.

Group 5 – Mathematics

IB Math Studies I (SL) – 3700 (Junior Course)..... CREDIT: 1
This Standard Level course is the first of a two-year sequence which seeks to develop proficiency in mathematics. It is designed for IB students of varied mathematical abilities in order to build an appreciation for the discipline itself, as well as its usefulness. The universality of mathematics, which includes its international dimensions, is an underlying theme. Problem-solving skills will play a dominant role in this course, which integrates various topics in intermediate algebra, trigonometry, and statistics. The course aims to build persistence and confidence in one's approach to mathematical studies by properly developing logical and abstract thought. Students will take their knowledge of mathematics to a practical level as they begin the required project - a piece of written work involving the collection, analysis and evaluation of data. Students will be preparing to take the external IB exam in Math Studies after the completion of the course in the subsequent year.
Prerequisite: departmental approval.

IB Math Studies II (SL) – 3701 (Junior/Senior Course)..... CREDIT: 1

This Standard Level course seeks to develop proficiency in mathematics. It is designed for IB students of varied mathematical abilities in order to build an appreciation for the discipline itself, as well as its usefulness. The universality of mathematics, which includes its international dimensions, is an underlying theme. Problem-solving skills will play a dominant role in this course, which integrates various topics in intermediate algebra, geometry, trigonometry, logic, statistics and differential calculus. The course aims to build persistence and confidence in one's approach to mathematical studies by properly developing logical and abstract thought. Students will take their knowledge of mathematics to a practical level as they complete the required project - a piece of written work involving the collection, analysis and evaluation of data. Students will be preparing to take the external IB exam in Math Studies upon the completion of the course in May.

Prerequisite: Successful completion of Algebra 2/Trig and departmental approval.

Group 6 – Arts and Electives**IB Visual Art I (SL) – 7700 (Senior Course)..... CREDIT: 1**

This is the second and third semester of a three-semester course. IB Visual Art is a three-semester course. The first semester is taken during the Spring of junior year and doubles as "College Art." Semesters two and three are taken in senior year. IB Art is offered as a Standard Level course. Students have two options: SLA or SLB. SLA emphasizes the studio side of art with a lesser emphasis on research, investigation and planning. SLB has the opposite emphasis. All IB students are expected to be self-motivated and able to follow their own creative paths while being inspired by the multi cultural world of past and present as well as one's own experiences. At the end of senior year, each student must show his/her work at an interview with an external examiner.

Prerequisites: to be determined

IB Music I (SL) – 7702 (Junior Course)..... CREDIT: 1

This is the first of a two-year course. The art of music demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making. A vibrant musical education fosters curiosity in, and sensitivity to, the musical worlds which surround us. The alert mind trained in the disciplined study of music will appreciate the ways in which music integrates and manifests knowledge on multiple levels. With careful listening, the musician may become humbled by the power of music to change lives. The aims of the IBO Music programme are to: give students the opportunity to explore and enjoy the diversity of music throughout the world; encourage students to develop perceptual skills through a breadth of musical experiences; where they will learn to recognize, speculate, analyze, identify, discriminate and hypothesize in relation to music enable students to develop creatively their knowledge, abilities and understanding through performance and composition assist students to develop their potential as musicians both personally and collaboratively, in whatever capacity, to the full.

IB Music II (SL) – 7703 (Senior Course)..... CREDIT: 1

This course continues the curriculum outlined in the 7702 course.

IB Psychology I (SL) – 2702 (Junior/Senior Course)..... CREDIT: 1

This course will examine in depth the social learning perspective, cognitive perspective, biological perspective and abnormal perspective of psychology. Students will be expected to do independent research and reading outside of the classroom. The format for all tests will be essay. A major research project examining the replication of a simple experimental study is required. In order to receive IB credit the student must successfully complete the research project and 2 comprehensive written exams in essay format.

IB World Religions – 0702 (Junior Course)..... CREDIT: 1

This course is a systematic, analytical and emphatic study of the beliefs and practices of the world's major religions. The emphasis of this course is very much on a conceptual understanding of religion. Students are encouraged to explore the underlying currents in religion, seeking out commonalities as well as differences. This course develops the attributes of the learner profile, is truly internationally-minded in nature and will promote intercultural awareness and respect while also promoting an awareness of and appreciation for the religious issues in the contemporary world.

IB Physics I (SL) – 4702 (Junior Course)..... CREDIT: 1

This is the first of a two-year course. Physics is the most fundamental of the experimental sciences. It seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies. The Diploma Programme physics course allows students to develop traditional, practical skills and techniques as well as increase their skill in the use of mathematics - the language of physics. This course allows students to develop both interpersonal and information & communication technology skills. These are essential in modern scientific endeavors and are important life-enhancing skills in their own right.

IB Economics I (SL) – 2703 (Junior Course) CREDIT: 1

This is the first of a two-year course designed to be the equivalent of that offered at the collegiate level. It will challenge the students to think analytically and recognize differing points of view about economics and the impact it has on the global standard of living. The course will cover economics from a micro, macro, international, and developmental point of view. In addition, the course will touch on a variety of perspectives, including social, political, economic, intellectual, cultural and artistic. Emphasis will be placed on analytical writing, class discussion, critical reading/thinking and the use of various research tools.

Theory of Knowledge I – 0700 (Junior Course) CREDIT: 0.5

This is the Spring-semester of a two-semester course. The TOK course, a flagship element in the Diploma Programme, encourages critical thinking about knowledge itself, to try to help students make sense of what they encounter. Its core content is questions like these: What counts as knowledge? How does it grow? What are its limits? Who owns knowledge? What is the value of knowledge? What are the implications of having, or not having, knowledge? TOK activities and discussions aim to help students discover and express their views on knowledge issues. The course encourages students to share ideas with others and to listen to and learn from what others think. In this process students' thinking and their understanding of knowledge as a human construction are shaped, enriched and deepened.

Theory of Knowledge II – 0701 (Senior Course) CREDIT: 0.5

This course continues the curriculum outlined in the 0700 course.

Advanced Academic Courses

St. Edmund Prep offers certain opportunities for advanced academic study in conjunction with outside organizations, namely: St. John's University (College Courses), The College Board (AP Courses) and The International Baccalaureate Organization (IB Courses). Each of these organizations charges its own fee for their course-completion procedures. While this information is subject to change annually, as a frame of reference the recent fees and details for each follow. *[NB: if a course is both an AP and College course, both fee and requirement structures apply.]*

- St. John's University (College Courses)
 - **Recent Fee:** \$250 per St. John's University course
 - **Who is eligible to receive college credit through SJU?**
 - Juniors with a PSAT/SAT score of 1000 (mathematics and verbal only) and a minimum average of 85% in the following subjects: English, mathematics, social studies, language and science. Juniors may enroll in up to three courses (9 credits) per semester only in the areas of **mathematics, language and fine arts**.
 - Seniors with a PSAT/SAT score of 1000 (mathematics and verbal only) and a minimum average of 80% in the following subjects: English, mathematics, social studies, language and science. Seniors may enroll in up to three courses (9 credits) per semester only in the areas of **English, mathematics, language, fine arts, science, social sciences and humanities**.
 - Both juniors and seniors will receive SJU credit upon successful completion of the course with a minimum C average.
 - **Who would pay the fee?** Only those students who meet the above requirements and choose to seek college credit through SJU
 - **If I do not meet the above requirements, may I still take the course?**
 - Yes, for St. Edmund Prep credit only. In such cases, there would be no additional fees.
- The College Board (AP Courses)
 - **Recent Fee:** \$87 per course exam
 - **Who would pay the fee?** All students enrolled in the course
 - **Who may receive college credit?** Students who receive a high score on the May AP examination may receive academic credit from the college they attend.
- The International Baccalaureate Organization (IB Courses)
 - **Recent Fee:** \$129 one-time registration fee per student, and \$92 per IB exam
 - **Who would pay the fee?** All students enrolled in the course