

2012-2013
Saint Viator High School

Curriculum Guide



2012 – 2013 Curriculum Guide

Table of Contents

Victorian Tradition	2
Policies and Procedures	4
Religion	9
Computer Technology	10
English	11
Fine Arts	14
Mathematics	17
Modern World Languages	22
Physical Education	26
Scanlan Center	27
Science	28
Social Studies	32
Appendix	35

The Viatorian Tradition

The Viatorian Catholic tradition of commitment to quality in educational programs, an environment of individual concern and personal care, and strong relationships among the students and faculty are hallmarks of Saint Viator High School.

Our curriculum reflects this tradition. We want our students to live significant lives. This process is accomplished within the context of a searching and learning community where all are challenged, supported and affirmed. We teach within the context of a classic, liberal arts approach.

At Saint Viator, we believe that an essential component of the Gospel, the teachings of the Catholic Church and the Viatorian tradition is the call of Christians to serve those in need, with special concern for the poor. For this reason, we provide our students the opportunity to live their faith through the experience of service to others.

The Vision of the Saint Viator High School Curriculum

Our college preparatory curriculum, based in Catholic values, empowers students to become life-long learners making sound choices in a changing world.

The Goals of the Saint Viator High School Curriculum

Recognizing that we live in an ever-changing society, Saint Viator High School students, as they acquire a foundation in each academic discipline, will:

- respond to the challenge of the Gospel through commitment to service;
- know the foundations of the Catholic faith;
- develop spiritual, emotional and physical wellness;
- recognize the dignity of each person and appreciate the diversity among people;
- be aware of global events and respond with concern;
- make effective life choices;
- communicate effectively;
- access and evaluate information creatively;
- be aware of technological developments and their uses.

Profile of a Saint Viator High School Graduate

A Saint Viator High School graduate reflects the Viatorian educational values of life-long, collaborative learning within a Catholic community. They have benefited from instruction that responds to a variety of learning styles. Our graduates are critical thinkers who have the ability to recognize and evaluate information and apply appropriate solutions. Embracing a global perspective, they are dynamic creators, communicators and collaborators. They seek to reach their maximum potential intellectually, physically, spiritually and emotionally as they meet challenges of the world.

As a member of a Catholic and global community, the Saint Viator graduate:

- understands Catholic history, traditions and beliefs resulting in the ability to make moral judgments based on an understanding of Catholic principles;
- possesses a developed sense of respect for self and others; responds to the needs of others with caring service;
- cultivates the ability to make responsible life choices;
- seeks to be a leader within his/her faith community who models the values embodied in the Gospel message;
- accepts and respects other cultures, traditions and values;
- masters the essential concepts and skills of each discipline;
- solves problems collaboratively with an international perspective;
- discerns and evaluates the vast quantities of information available in the 21st century via changing modes of technology;
- possesses a sense of pride in their country, religious tradition and family.

The Viatorian Values of a Saint Viator Graduate

At the heart of our educational program are the Viatorian values that every Saint Viator graduate possesses. Teachers stress the importance of **intellectual independence** while allowing each student to develop their own **personal integrity**. Students build **strong character and confidence** both inside the classroom and through our co-curricular sports and clubs. Every month, the entire school community comes together for all-school Mass to celebrate our **Catholic identity** and to keep us **centered on the Gospel**. We stress the importance of being **community oriented** within both the school community and the community at large. This allows individuals to be all God calls them to be while finding their place in the world.

Important changes beginning with the 2012-2013 School Year

These changes are effective beginning with the 2012-2013 school year and will not be applied to previous years.

THIRD AND FOURTH YEAR LANGUAGE COURSES

The third and fourth years of any language will be designated as an honors-level course beginning with the 2012-2013 school year.

AP COURSE WEIGHTS RAISED

Next year, all AP course grades will be weighted at 1.118. Honors courses will continue to be weighted at 1.094. Honors-level courses are high school courses with greater expectations for students and taught at an accelerated pace. AP courses are college-level courses with college expectations.

COURSE GRADUATION REQUIREMENT CHANGE

Religions of the World may be used as a Religion elective or a Social Studies credit.

ADMISSIONS

Saint Viator High School does not discriminate on the basis of sex, race, color, creed or national/ethnic origin in the administration of our educational policies, admission policies, athletic or other school-sponsored programs.

GRADUATION REQUIREMENTS

Christian Service Requirement

We are called to live the faith passed on to us through Jesus Christ. Saint Viator High School provides its students the opportunity to concretely live out and celebrate their faith through service.

Christian Service complements the school's curriculum by providing experiences that assist students in recognizing the broader perspective of community and their unique roles in building Christian community. Christian Service challenges students, faculty and staff alike to learn about their community and its needs, and to respond in loving service in order to transform the world in the name of Jesus.

Within the four years at Saint Viator High School, students are required to complete **Christian Service Hours** as detailed below. These hours are to be completed in the following categories:

30 Hours with the Marginalized

15 Hours within a Parish/Church Community

15 Hours within the Civic Community

40 additional hours of the student's choice in any or all of the 3 categories

Along with the completion of the minimum number of Christian Service hours, students will participate in a process of Personal Reflection each year. Every student will write a paper about their service experience and participate in a group reflection process.

Christian Service Hours per Year

Freshman Year
25 Hours

Sophomore Year
25 Hours

Junior Year
25 Hours

Senior Year
25 Hours

The 2012-2013 Christian Service year will run from July 1 – June 15.

* **Seniors Only:** The 2012-2013 Christian Service year will run from July 1 to April 15.

Academic Credit Requirement

22 credits are the minimum requirement for graduation. The 22 credits must include the following:

- 4 English
- 3.5 Religion
- 3 Mathematics
- 3 Science (1.0 credit Biology, 1.0 credit Physical Science, 1.0 credit elective)
- 3 Social Studies (1.0 credit World History and 0.5 credit U.S. History to 1860 are required; and 0.5 credit of additional elective U.S. History is required)
- 2 Modern World Language (2 credits in Fine Arts may be substituted when approved by the principal)
- 2 Physical Education/Health
- 0.5 Computer Technology
- 0.5 Fine Arts
- 0.5 Elective

Federal and State Constitution Tests Requirements

Students are required by the State of Illinois to pass both the Federal and State Constitution tests in order to receive their diploma. Students must independently complete a study guide packet prior to taking the tests. This study guide must be submitted prior to the test by the deadline identified on the Web site. Constitution tests are administered once each quarter and two times during the summer. Review sessions are offered for students prior to each testing date. Students may opt to enroll in a one-week summer school workshop where they will complete the packets and take the tests.

During the summer between freshman and sophomore year, students will independently complete the Constitution packet as a summer reading project. Packets are due by the first day of the school year. The tests will be given in August on the date designated on the school calendar. Students must pass both Constitution tests by the last day of the second semester of their sophomore year. Students who do not meet this deadline will be ineligible to participate in co-curricular and athletic activities until the tests are passed.

Class of 2013 – Any student who has not passed both Constitution tests by the first day of the 2012-2013 school year will be ineligible to participate in co-curricular activities until he/she passes both tests.

HONORS COURSES

Honors courses are for students with a high aptitude in the subject who are willing to meet the challenge demanded by higher-level thinking skills. These courses move at a faster pace, and students do more independent work. Students may be required to do coursework during the summer.

All courses not designated as “Honors” are college preparatory.

ADVANCED PLACEMENT COURSES

Courses in the Advanced Placement (AP) Program are college-level studies. Students who register for these classes **are required** to take the qualifying examination in May. These examinations are based on college-level studies at an additional fee assessed by the College Board each year. During the 2011-2012 school year, the fee was \$87 per test. The scores are used as a measurement for appropriate placement in college classes with the possibility of receiving college credit. Any student who enrolls in an AP course but fails to take the AP Exam will forfeit the AP designation on their transcripts and will not receive weighted grade points for the grade earned. Colleges will be notified of the change of designation on the transcript.

Also, any student who drops an AP class at any time during the school year will lose the AP designation and AP level points. No exceptions.

TUITION

Each student must pay a registration fee, which is applied to tuition, at the time of registration in order to establish his/her enrollment and to provide a firm basis for curriculum planning and teacher hiring. This registration fee is **non-refundable**.

REGISTRATION

All students must register for at least six (6) courses each semester. Seniors, however, may take five (5) courses second semester. Seniors are encouraged to take six (6) courses both semesters. Exceptions must be approved by the principal.

Freshmen: After successful completion of the Entrance Exam, the student and parent(s) meet with a school representative who will discuss a schedule based on the student’s Entrance Exam scores, the recommendations of department chairs, and the recommendations of junior high school teachers. After reaching an understanding and agreement, the schedule is finalized.

Sophomores, juniors and seniors register for courses after discussion with counselors and with parental approval.

Transfer students are accepted on an individual basis after a review by the Admissions Committee.

SCHEDULING CONFLICTS

Due to the complexity of scheduling student courses, students and parents are advised that there are conflicts that may prohibit students from enrolling in all of the courses they select. Conflicts may include the following: limited sections of a course, facility limitations that impact the ability to offer a course, teacher availability, registration priorities, etc.

SCHEDULE CHANGE POLICY

Scheduling changes for the 2012-2013 school year should be completed by **May 31, 2012**. In an effort to provide quality education and individual attention, as well as maintain class size, any student who drops a course after **June 29, 2012**, will continue to be charged the tuition based on their total credits as of **June 29, 2012**.

A schedule change will be considered during the **first five days** of a new semester only in the following situations: if a student has failed the last semester of the course in question or has failed to meet the prerequisite for the next level; if a student needs a course for college or graduation; or if there is an administrative change. Requests for schedule changes will not be honored for the following reasons: teacher preferences or conflicts, convenience of meeting time, course conflicts with a student's job, course is not what the student expected it to be, or personal opinion as to the difficulty of the course.

In order to add or drop a course, a student must first confer with his/her counselor and then get written approval from his/her parent(s)/guardian during the first five days of the new semester (**August 24, 2012, or January 25, 2013**). A processing fee will be charged for any changes made.

A student granted permission to drop a course after week two of the new semester will not be able to join any class in progress but will be placed in an assigned study hall. Students are expected to be enrolled in six classes each semester; therefore, careful consideration should be made before dropping a class. (Remember a student must be passing five classes to remain eligible for participation in co-curricular activities.)

Schedule changes will only be considered through August 24, 2012, for Semester One and January 25, 2013, for Semester Two. After August 24, 2012, the only changes that will be considered are those resulting from an academic misplacement or a counselor request. A schedule change made after August 24, 2012, or January 25, 2013, may result in the student receiving a "WP" or "WF" on their transcript. An "F" will be issued for drops beginning with the third week of a semester.

POLICY FOR FAILURES

A student who fails a required academic class during the school year is expected to retake that course during the summer. All summer school courses for credit must be taken at Saint Viator High School, unless otherwise approved by the student's counselor or principal.

ST. MARY’S UNIVERSITY CREDIT – PACC (Program for Advanced College Credit)

St. Mary’s University of Minnesota offers college credit for approved, upper-level Advanced Placement courses, which are offered at Saint Viator High School. St. Mary’s charges approximately \$60 per credit hour. St. Mary’s will not allow a weighted grade point average, but students will still receive a weighted G.P.A. for the high school credits. Because universities and colleges will transfer these credits differently, you need to be in touch with the school your student plans to attend to inquire about transfer policies. Most schools will not transfer any grade less than a 78%. A list of universities accepting PACC St. Mary’s transfer credits is available on their Web site (www.smumn.edu).

Since St. Mary’s University reports only letter grades to other universities, we will use the following grading scale when reporting grades to them.

A	92 – 100
A/B	88 – 91
B	82 – 87
B/C	78 – 81
C	70 – 77

RELIGION

0009 – Fundamentals of the Catholic Faith: One Credit (9)

This course explores the fundamentals of the Catholic Faith and promotes faith development through academic study, practical application and experiential opportunities. Topics include faith, creed, sacraments and morality.

0008 – A Catholic Exploration of the Bible: One Credit (10)

This course teaches students to read and understand Hebrew and Christian Scriptures from a Catholic perspective. The study includes theological, historical, cultural and literary influences, and challenges students to apply the message of scripture to their lives and the contemporary world.

0010 – Christian Discipleship: One-half Credit (11)

This course prepares students in three skills key for adult Catholics: spiritual practice, social action and Christian leadership. Students study the development of church tradition in each area, as well as the great saints who have been role models in each area. In addition, students take part in activities and projects that strengthen their skills for prayer, responding to injustice in society and Christian leadership.

0034 – Christian Ethics and Catholic Morality: One Credit (12)

This course challenges and assists students as they work to develop an informed conscience based on Catholic moral principles. The emphasis is on applying these principles as the students live in the secular world. Topics include abortion, assisted suicide, capital punishment, marriage, love, sexuality and intolerance.

0040 – Religions of the World: One-half Credit (11,12)

This course begins by examining the God question and the search for the divine. Students then study the formation, customs, rituals and beliefs of the major world religions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. Students explore each religion for its contributions to humanity's religious understanding and spirituality. This course may NOT be substituted for one of the required religion courses and is considered an elective.



COMPUTER TECHNOLOGY

Students may take any of the courses offered in the technology department to fulfill the required one-half credit in Computer Technology.

0262 – Microsoft Office: One-half Credit (9,10,11,12)

This course focuses on the major components of Microsoft Office. The focus will be learning to expand students' usage of Microsoft Office Suite. *Computer Skills: Excel spreadsheet, PowerPoint, Access and Word.*

0267 – Web Design: One-half Credit (9,10,11,12)

Learn to design and build a professional looking Web page. This course will take a marketing-oriented approach to Web design from development to launch. Student learning includes implementing, maintaining and updating a Web site for business. Adobe Dreamweaver is stressed. *Computer skills: Creating and maintaining a Web site; master hyperlinks, tables, frame styles and Web management.*

0241 – Personal Business Computing: One-half Credit (9,10,11,12)

This course combines MS-Office and Internet training to develop students' computer skills and awareness of the necessity for planning personal financial futures. Topics covered in this class include the job market, payroll, banking, interest calculations, credit responsibilities, budgeting, insurance, automobile responsibilities, housing, consumer protection, and investments and retirement opportunities through computer applications.

0240 – Accounting: One-half Credit (10,11,12)

Accounting is the language of business. This course provides the college-bound student a basic introduction to the terminology, principles and understanding of accounting from journal entry through financial statements. Microsoft Excel spreadsheets will aid students in developing managerial decision-making skills necessary in accounting and business. *Computer skills: Detailed use of spreadsheets.*

0623 – Introduction to Adobe Photoshop: *This course fulfills the graduation requirement in Computer Technology but only earns 0.5 credit in Fine Arts.*

0570 – Introduction to Computer Science using C++: *This course fulfills the graduation requirement in Computer Technology but only earns 0.5 credit in Math.*

ENGLISH

0113 – Fundamentals of Literature and Composition I: One Credit (9)

This course is designed to improve basic language skills in reading and writing. The writing program stresses the application of language skills in a variety of compositions. The reading program is designed to improve reading decoding, expand vocabulary and increase reading comprehension skills. Basic analysis of fiction and nonfiction is developed, and writing assignments stem from the readings studied and personal experience. Students also have an opportunity to develop effective oral communication skills.

0112 – Literature and Composition I: One Credit (9)

Literature and Composition I explores literature as students learn to apply the principles of analysis to the genres of fiction, nonfiction, poetry and drama. The course emphasizes basic skills of composition, grammar and usage, vocabulary development, and etymology.

0118 – Literature and Composition I Honors: One Credit (9)

Literature and Composition I Honors is an accelerated course designed for students with the ability and dedication to read for pleasure, understanding, analysis and evaluation. Students will study the principles of effective writing and editing skills by experiencing a variety of writing opportunities. Students will also develop vocabulary skills through reading and writing activities. Furthermore, this course will focus on improving research and presentation skills. *Prerequisite: Entrance Exam scores and department approval.*

0119 – Literature and Composition II: One Credit (10)

Literature and Composition II continues the study of literary genres on a more intense level as students demonstrate the skills of literary analysis. In addition to the students' literary work, the course emphasizes both persuasive and expository composition. An extended unit on speech skills centers on the communication process through the development, presentation and analysis of the various forms of public speaking.

0126 – American Literature and Composition Honors: One Credit (10)

This accelerated survey course in American Literature focuses on major authors and trends, while devoting attention to the regional and historical influences that have helped shape America's literary heritage. Students will concentrate on the critical reading of short stories, poetry, essays and novels, as well as critical writing, including essays and a research paper based on analytical expression. Students deliver speeches during a second semester unit and continue vocabulary development throughout the year. *Prerequisite: A minimum average of 90% in Literature and Composition I Honors [formerly English 9 (Honors)] with teacher recommendation, or a minimum average of 95% in Literature and Composition I [formerly English 9] with teacher recommendation.*

0168 – American Literature and Composition: One Credit (11)

Students taking American Literature make use of literary techniques they have previously learned. Additionally, they develop a deeper understanding of literary themes and an appreciation of America's contribution to literature from its beginnings in 1607 to the present. Students analyze form and content of reading assignments through class discussions and critical essays. Students also write a research paper and continue the development of vocabulary and grammar skills.

0197 – AP English Language and Composition: One Credit (11,12)

AP English Language and Composition is a college-level course that offers students the opportunity to earn college credit and/or advanced college placement in English. This course focuses on rhetoric and writing, particularly analyzing rhetorical elements of nonfiction texts. Students will also study and compose essays common to an introductory college composition course: narrative, analysis, argument, synthesis, expository, analytical and persuasive essays. *Prerequisite: A minimum average of 90% in American Literature and Composition Honors [formerly American Literature (Honors)], a minimum average of 95% in Literature and Composition II [formerly English 10] or American Literature and Composition [formerly American Literature], and/or department approval. AP exam is required.*

0153 – British Literature I: One-half Credit (11,12)

British Literature I presents a survey of the literature of major British authors from the Anglo-Saxon period through the Age of Reason. Students read, analyze and discuss representative selections, using critical reading skills to increase understanding of the themes, styles, structures and historical perspectives of these works. Written assignments are based on the readings.

0154 – British Literature II: One-half Credit (11,12)

British Literature II focuses on major achievements in British literature from the Romantic Period through the Modern Era. Students read representative works of fiction, non-fiction, poetry and drama. Class discussions and essays center on close analysis of each work, its author, its historical and cultural context, and its effect on the reader.

0160 – Modern World Literature I: One-half Credit (11,12)

Students will read modern works (both fiction and non-fiction) from around the world and use them as a starting point for gaining a broader understanding of points of view beyond their own. The course emphasizes reading, analyzing, discussing and writing with particular emphasis on an individual's ability to apply critical concepts in the understanding and interpretation of various countries' cultures and literature, including their own.

0161 – Modern World Literature II: One-half Credit (11,12)

Students will read modern works (both fiction and non-fiction) from around the world and use them as a starting point for gaining a broader understanding of points of view beyond their own. The course emphasizes reading, analyzing, discussing and writing with particular emphasis on an individual's ability to apply critical concepts in the understanding and interpretation of various countries' cultures and literature, including their own.

0190 – Communication Skills: One-half Credit (11,12)

This course provides training in communication skills. Students will be involved in researching, writing, speaking and listening. As part of the coursework, students write and deliver speeches that reflect effective development of ideas, appropriately organized supporting details, and competent delivery techniques. This course strengthens communication skills such as gaining confidence before a group, listening, organizing ideas and persuading an audience.

0124 – College Writing: One-half Credit (12)

College Writing gives students the opportunity to develop the writing skills and practice the writing formats expected at the college level. The course stresses clear thinking and clear expression in various types of writing, including narration, description, exposition and persuasion. In addition, College Writing emphasizes revising papers for conciseness, style and correctness.

0199 – AP English Literature: One Credit (12)

AP English Literature is a college-level course that offers students the opportunity to earn college credit and/or advanced college placement in English. Through class work and extensive outside reading, including a summer reading list of several works, students learn to textually analyze, critically review and comparatively evaluate a myriad of literary genres. *Prerequisite: A minimum average of 90% in AP English Language and Composition, or a minimum average of 95% in a grade 11 Literature course, and/or department approval. AP exam is required.*

FINE ARTS

Performing Arts

0600 – Symphonic Band: One Credit (9,10,11,12)

This course is designed to further the musical growth of more advanced musicians. Students will continue to work on fundamentals of music performance, while studying music of various time periods, orchestral transcriptions and programmed music. Students in this ensemble should expect to practice daily in order to meet the demands of the music. Participation in performances is required for a passing grade. A tentative schedule of performances is available in the appendix.

Prerequisite: Audition.

0601 – Jazz Band: One-half Credit (0.25 credit per semester) (9,10,11,12)

Jazz Band is an auditioned performance group which performs concerts at school and at area festivals. Students learn various jazz styles as they concentrate on the fundamentals of music performance and jazz improvisation. Jazz Band meets Tuesdays and Thursdays from 6:30-8 p.m. throughout the entire year. (Occasionally, meeting times/days must be changed/cancelled due to conflicts.) Participation in performances is required for a passing grade. A tentative schedule of performances is available in the appendix. *Prerequisite: Audition.*

0602 – Concert Band: One Credit (9,10,11,12)

Concert Band stresses the fundamentals of music performance while preparing for concerts at school, and local and national festivals. Participation in performances is required for a passing grade. A tentative schedule of performances is available in the appendix. *Prerequisite: Previous band experience.*

0603 – Music Theory: One-half Credit (9,10,11,12)

This course offers students an opportunity to learn about how music is made and then apply their knowledge in theory as they create their own compositions using computer technology. Students who are interested in exploring a career in the music industry will gain valuable knowledge from this course. Previous music experience is helpful but not required.

0607 – Music Ministry: One-half Credit (0.25 credit per semester) (9,10,11,12)

Music Ministry is open to all students – vocalists and instrumentalists, including strings – who wish to participate in the planning and performing of music at Mass. Students learn the fundamentals of how music enhances the texts and rituals of the liturgy from a variety of traditions, including chant, tradition hymns and contemporary. Participation at Mass is required for a passing grade. Music Ministry meets from 6:30-8 p.m. on Wednesdays. (Occasionally, meeting times/days must be changed/cancelled due to conflicts.)

0608 – Concert Choir: One Credit (9,10,11,12)

Concert Choir addresses the fundamentals of vocal technique, sight-singing, and performance skills through the study and performance of music from various genres and traditions. The Concert Choir performs in concerts at school, local festivals, and community events. Participation in performances is required for a passing grade. A tentative schedule of performances is available in the appendix. **Please note that students must have taken or be currently enrolled in this course to be eligible to audition for Chamber Singers.** This class meets during the regular school day.

Theatre

0650 – Theatre I: One-half Credit (9,10,11,12)

Theatre is primarily an exploratory course covering all of the elements of theatre and acting (imagination, concentration, awareness, pantomime and script work). Self-confidence and teamwork are strengthened through improvisation. The course increases students' appreciation and enjoyment of theatre from two perspectives, as audience and as performer.

0651 – Theatre II: One-half Credit (10,11,12)

This course offers an extended study of the principles introduced in Theatre I. The emphasis is on performance, script analysis, character development, characterization and improvisation, leading to original works. *Prerequisite: Theatre I or audition.*

0653 – Stagecraft: One-half Credit (10,11,12)

Stagecraft is an introduction to the planning, building and coordinating of all the elements necessary to create the final production of a play or musical. This is a how-to-course in the elements of construction, lighting, properties and sound of a show. The course includes a unit in computer-assisted design (CAD).

0655 – Film Study and Production: One-half Credit (12)

This course is designed as an introduction to film as an artistic, social and cultural expression. Students will examine the elements of film, including cinematography, editing, lighting and sound. They will develop a vocabulary necessary to analyze films. Discussions and written reviews will help students articulate their opinions of films. Finally, students will produce a short film with classmates to demonstrate the techniques and styles covered in class.

Visual Art

0611 – Art One: One-half Credit (9,10,11,12)

Art One is a course designed for the beginning art student. It is an introductory art class presenting an overview of studio art media. Students explore the elements of design through "hands-on" experiences in drawing, painting, design, sculpture and other art forms.

0612 – Art Two: One-half Credit (9,10,11,12)

Art Two picks up where Art One leaves off. Students will be exposed to the principles of design as they relate to two- and three-dimensional art. Students work in such two-dimensional art mediums as charcoal, pencil, pen and ink, watercolors, pastels, and three-dimensional art mediums, including jewelry, wood, stone, and found objects. Subject matter may include the human figure, advanced composition, portraits, design, abstract studies and collage. *Prerequisite: A minimum grade of 85% in Art One or department approval.*

0637 – Ceramics I: One-half Credit (9,10,11,12)

Ceramics I is a studio class that explores the functional and decorative properties of clay. With presentations on the principles and fundamentals of the craft, students experience the hand-building techniques of pinch pot, coil, slab and drape construction, as well as glazing, underglazing and staining. Students examine decorative applications of the craft, while creating both decorative and functional pottery.

0640 – Ceramics II: One-half Credit (9,10,11,12)

Ceramics II is for the student who wants to explore advanced ceramic techniques. Further development of skills used to create works of art from clay will be stressed. This will include the processes of hand building, molds, slip and glaze techniques, silver clay, terra cotta, porcelain, and the firing processes. Projects that involve creative problem solving are used to explore aesthetics and production of artwork beyond the Ceramics I (0637) level. Additionally, students reflect upon the outcome of these experiences and explore cultural and historical connections. *Prerequisite: Ceramics I (0637).*

0623 – Introduction to Adobe Photoshop: One-half Credit (10,11,12)

This is a beginning-level class that explores the uses of Adobe Photoshop CS4 as a creative tool for image editing, commercial design and using Photoshop as a painting program. Class time will be divided between demonstrations, in-class assignments and tutorials, discussions, and portfolio development. It will explore Photoshop as a design tool and develop real-world projects that explore aesthetics, content, composition and production guidelines. This class will cover techniques applicable for creating and publishing images, as well as issues of ethics and responsibilities in digital imaging. *This course fulfills the Graduation Requirement in Computer Technology but only earns 0.5 credit in Fine Arts.*

0624 – Digital Photography: One-half Credit (10,11,12)

Digital Photography is a semester course, which introduces the students to the aesthetics of photography through use of a digital camera. The emphasis of the course will be on understanding and using a digital camera, photographic composition and creative expression. Although techniques of basic photo corrections using digital software are explored, the emphasis of the class is on using the digital camera and its controls while exploring photography as an art form. Themes such as landscape, sports photography, portrait lighting, photo journalism and others will be explored. *Requirement: Students must supply their own digital camera (7 megapixels or higher) and memory card.*

0639 – Advanced Studies in Art: One-half Credit (may be repeated) (10,11,12)

Advanced Studies in Art is for the students who want to develop advanced skills in art. Students will choose individual areas of study and explore the expressive impact of art. Students will develop individual programs of study based on personal interests, as well as research and study in the history and aesthetics of art. This course may be repeated for credit. *Prerequisite: Art One, Art Two and department approval.*

MATHEMATICS

All math placements are subject to review and possible revision at the end of second semester.

0507 – Algebra 0507: One Credit (9)

This sequence is designed for students who desire a year of algebra while strengthening mathematical skills. The class includes operations with real numbers and methods of solving and graphing linear equations and inequalities. Other topics include operations with polynomials, factoring and algebraic functions. Successful completion of Algebra 0507 prepares students for further work in mathematics in Fundamentals of Geometry 0520 and Algebra II. *Prerequisite: Entrance Exam scores and department approval.*

0510 – Algebra I: One Credit (9)

In Algebra I, students study the relations and properties of real numbers. A substantial portion of the course focuses on an understanding of simplification techniques and methods of solving equations, inequalities and graphing. *Prerequisite: Entrance Exam scores and department approval.*

0511 – Algebra I Honors: One Credit (9)

Students are selected for this course through the Algebra Placement Test administered in April. Students complete two chapters of assignments in algebra during the summer. This course emphasizes algebra at a high mathematical level and, in addition to the standard Algebra I topics, will also cover applications, the quadratic formula, rational functions and equations, and statistics and probability. *Prerequisite: Entrance Exam score, the Math Department Algebra Placement Test, and department approval. (All students are placed in this class on a probationary basis for the first semester and will be evaluated at regular intervals.)*



0513 – Accelerated Algebra I Honors: One Credit (9)

This course covers new and traditional algebra concepts and skills through multi-concept problem solving. Developing critical thinking skills and the ability to communicate mathematics is stressed. It is designed for the student who has a high aptitude in mathematics and who is highly motivated. *Prerequisite: Entrance Exam score, the Math Department Algebra Placement Test, and department approval. (All students are placed in this class on a probationary basis for the first semester and will be evaluated at regular intervals.)*

0512 – Accelerated Algebra I/Geometry Honors: One Credit (9)

Students are selected for this course through the Algebra Placement Test administered in April. Those enrolled complete both Algebra I and Geometry. Students complete six chapters of assignments in algebra during the summer before their freshman year. The algebra portion completes the study of algebra that began in junior high school. The geometry portion of the course covers the traditional topics offered during sophomore year. *Prerequisite: Entrance Exam score, Math Department Placement Test and department approval. (All students are placed in this class on a probationary basis for the first semester and will be evaluated at regular intervals.)*

0520 – Fundamentals of Geometry 0520: One Credit (10,11,12)

This course covers lines and their subsets, angles, triangles, congruence, similarity, inequalities, parallel and perpendicular lines, polygons and quadrilaterals, area, volume, circles, and right triangle trigonometry. **Algebraic concepts will be applied to geometric problems.** *Prerequisite: Algebra I or Algebra 0507, and department approval.*

0521 – Geometry: One Credit (10,11)

Geometry provides the vocabulary and skills needed to understand and organize geometrical concepts. It involves students in a deductive system of thought that involves points, lines, angles, polygons and polyhedrons. This course includes proofs and the applications of algebra to geometry. *Prerequisite: Completion of Algebra I and department approval.*

0524 – Geometry Honors: One Credit (9,10)

Geometry Honors is similar to Geometry but this course stresses proofs and the application of algebra to geometry. Additional topics come from three-dimensional geometry and problem solving strategies. *Prerequisite: Entrance Exam score, Math Department Placement Test and department approval. (All students are placed in this class on a probationary basis for the first semester and will be evaluated at regular intervals.)*

0532 – Algebra II/Trigonometry: One Credit (10,11,12)

Algebra II/Trigonometry reinforces and extends the skills developed in Algebra I. Concepts developed include linear functions, rational functions, quadratic functions, complex numbers, sequences and series, right triangle trigonometry, and circular functions. *Prerequisite: Completion of Algebra I and Geometry, Geometry Honors, or Algebra I/Geometry Honors, and department approval.*

0533 – Algebra II/Trigonometry Honors: One Credit (10,11)

Algebra II/Trigonometry Honors reinforces and extends the skills developed in Algebra I. Concepts developed include linear functions, rational functions, quadratic functions, the conic sections, complex numbers, matrices, right triangle trigonometry and circular functions. The topics covered are similar to those covered in Algebra II/Trigonometry but are represented in more depth. Additional topics are introduced as time permits. *Prerequisite: Completion of Accelerated Algebra I/Geometry Honors or Geometry Honors, and department approval. (All students are placed in this class on a probationary basis for the first semester and will be evaluated at regular intervals.)*

0570 – Introduction to Computer Science using C++: One-half Credit (10,11,12)

This course is a one-semester introductory computer science course using C++ as the programming language. Because the development of computer programs to solve problems is a skill fundamental to the study of computer science, a large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. The student will analyze project requirements. The student will then design, code, document, test and debug computer programs. In addition, the student will learn structured programming using a variety of C++ commands in proper sequence to efficiently and correctly process input data into valid output information. The student will also learn about the major hardware and software components of a computer system and their relationship to one another. *Prerequisite: Department approval and Algebra II/Trigonometry, which may be taken concurrently. This course fulfills the graduation requirement in Computer Technology but only earns 0.5 credit in Math.*

0531 – Algebra II: One Credit (11,12)

Algebra II builds upon the foundation developed in Algebra I. The primary understanding of essential concepts is reinforced. Stress is placed on linear functions, quadratic functions, polynomial functions, rational functions and matrices. Trigonometry is not covered in this course. *Prerequisite: Algebra I or Algebra 0507, Fundamentals of Geometry 0520 or Geometry, and department approval.*

0541 – Pre-Calculus: One Credit (11,12)

Pre-Calculus is an immediate preparation for Calculus. Pre-Calculus stresses a deeper appreciation of the function concept and includes polynomial, rational, exponential, logarithmic and trigonometric representations. The course connects numerical, algebraic and graphical representations. Students must be able to synthesize information from all previous math courses. *Prerequisite: Algebra II/Trigonometry and department approval.*

0542 – Pre-Calculus Honors: One Credit (11,12)

Pre-Calculus Honors is an immediate preparation for Calculus. A deeper appreciation of the function concept is stressed and includes polynomial, rational, exponential, logarithmic, polar and parametric, and trigonometric representations. The topics are similar to those studied in the Pre-Calculus class but are treated from a more theoretical point of view. In this course, students will begin to learn new material immediately. Students are advised to review material from previous math courses over the summer. Additional concepts covered include rates of change, definition of derivatives, derivatives of functions and applications of derivatives. This course connects numerical, algebraic and graphical representations. *Prerequisite: Algebra II/Trigonometry Honors and department approval. (All students are placed in this class on a probationary basis for first semester and will be evaluated at regular intervals.)*

0543 – Pre-Calculus Topics and Applications: One Credit (12)

The goal of this course is to provide students with a clear understanding of the ideas of functions as a solid foundation for subsequent courses in mathematics and other disciplines. The focus emphasizes depth of understanding rather than breadth of coverage. Among the topics studied are the polynomial, exponential, logarithmic and trigonometric functions, along with the conic sections. This course is intended to help prepare the student for college math. *Prerequisite: Algebra II/Trigonometry and department approval.*

0535 – Advanced Mathematics: One-half Credit (12)

Students continue their study of mathematics, covering algebra topics not studied in Algebra II. These include conic sections, logarithmic and polynomial functions, sequences and series, and applications using quadratic functions. *Prerequisite: Algebra II and department approval.*

0536 – Trigonometry: One-half Credit (11,12)

Topics covered in Trigonometry include basic right triangle trigonometry, law of sines and cosines, trigonometric functions and their graphs, proving identities, trigonometric equations, and inverse trigonometric functions. *Prerequisite: Advanced Math and department approval.*

0545 – Introduction to Statistics: One-half Credit (11,12)

The focus of this course will be on solving real-life problems in statistics. Topics include analysis of data using sample statistics, basic probability theory, probability distributions, and sampling distributions of means and proportions. *Prerequisite: A minimum grade of 90% in Algebra II and department approval.*

0550 – AP Calculus AB: One Credit (12)

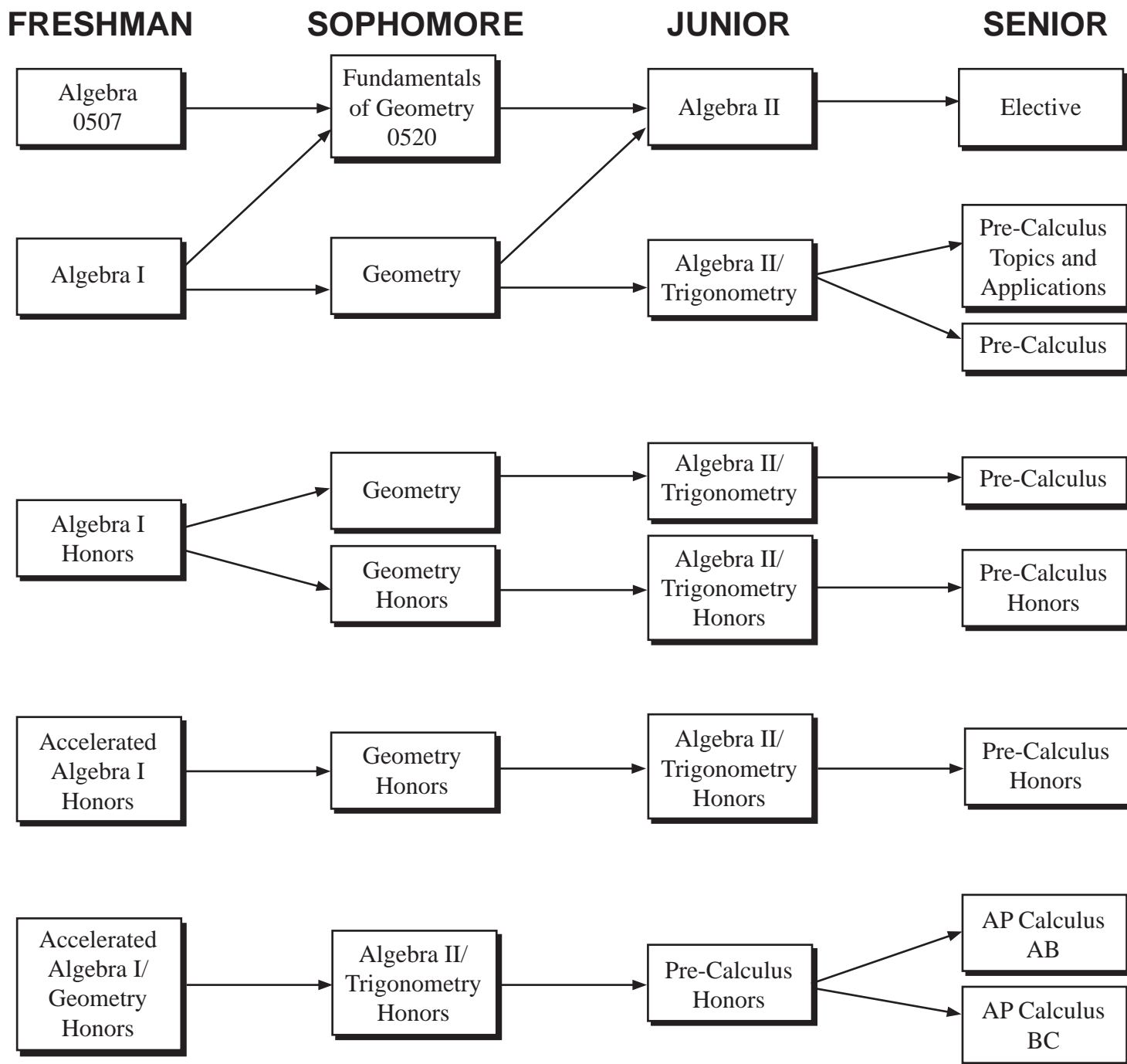
Advanced Placement Calculus AB is intended for students who have a thorough knowledge of Pre-Calculus topics, including analytic geometry and functions in addition to college algebra, geometry and trigonometry. Differentiation and integration together with applications form the content of this class. Upon completion of the course, students are prepared to take the AB Advanced Placement test in Calculus, which provides eligibility for one semester of credit in college calculus. College credit may also be earned through an arrangement with St. Mary's University of Minnesota (M151, Calculus I, 4 credits). *Prerequisite: Pre-Calculus and department approval. AP exam is required.*

0551 – AP Calculus BC: One Credit

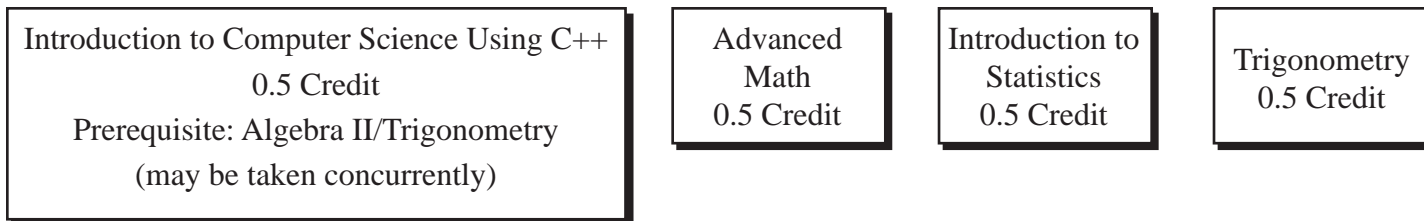
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Advanced Placement Calculus BC is considerably more extensive than AP Calculus AB. This course covers all of the calculus topics in Calculus AB with additional topics in sequences and series, parametric, polar, and vector functions. Upon completion of the course, students are prepared to take the BC Advanced Placement test in Calculus, which provides eligibility for two semesters of credit in college calculus. College credit may also be earned through an arrangement with St. Mary's University of Minnesota (M151 & M152, Calculus I & II, 8 credits). *Prerequisite: Pre-Calculus Honor) and department approval. **AP exam is required.***

Saint Viator Mathematics Curriculum



Electives



MODERN WORLD LANGUAGES

0421 – Spanish I: One Credit (9,10,11,12)

Spanish I promotes an enthusiasm for foreign language learning through the development of listening, speaking, reading and writing skills in the context of everyday usage. An emphasis is placed on the acquisition of basic vocabulary and grammatical concepts. Certain holidays and cultural material is also explored. Spanish is used extensively in the classroom, and a high level of student participation is required in the learning process.

1422 – Accelerated Spanish II Honors for Freshmen: One Credit (9)

This is a level-two Spanish course for freshmen only who have completed the equivalent of a two-year sequence in junior high school. This course will expand the listening, speaking, reading and writing skills that were introduced in junior high. The use of audio visuals, readings and technology are used to reinforce language skills, as well as an appreciation of the Hispanic culture. *Prerequisite: Two years of junior-high-school Spanish, recommendation of the junior high school teacher and placement testing.*

0423 – Spanish II Fundamentals: One Credit (10,11,12)

This course begins with a comprehensive review of Spanish I. The development of basic language skills will be continued with a strong emphasis on vocabulary acquisition, small group practice and real-life conversational activities. The course is designed to fulfill a two-year language requirement. Students enrolled in this class will not be eligible to take Spanish III. *Prerequisite: Spanish I and department approval.*

0422 – Spanish II: One Credit (10,11,12)

This course continues the development of basic language skills and stresses more grammatical structures, basic composition skills, increased vocabulary, and a greater proficiency in the language and knowledge of the culture. Spanish is used extensively in the classroom with ample opportunity for student interchange. This course prepares students for Spanish III Honors. *Prerequisite: A minimum grade of 80% in Spanish I and department approval.*

1423 – Accelerated Spanish III Honors for Sophomores: One Credit (10)

This course is a continuation of Accelerated Spanish II Honors for Freshmen. More complex grammatical structures are studied, as well as the culture and history of the Spanish-speaking world. Writing, speaking and listening skills are further developed. Students are expected to apply more complex grammatical structures in their speaking and writing. *Prerequisite: Completion of Accelerated Spanish II Honors for Freshmen with a grade of at least 85% and recommendation of instructor.*

0424 – Spanish III Honors: One Credit (11,12)

Spanish III targets more complex grammatical structures in the context of increasing writing, speaking and listening proficiency. Student exposure to selected short stories develops reading skills and continues the study of Spanish and Latin American cultures. *Prerequisite: A minimum grade of 85% in Spanish II and department approval.*



NEW

1424 – Accelerated Spanish IV Honors for Juniors: One Credit (11)

This course helps students refine their skills in reading, writing, listening and speaking as they continue to prepare for the AP Spanish exam. Students will study advanced grammatical structures and increase vocabulary. Short stories and novels will be used to highlight cultural material, as well as grammar and vocabulary. This course is taught almost exclusively in Spanish and students are expected to interact with peers in the target language as well. *Prerequisite: Completion of Accelerated Spanish III Honors for Sophomores [formerly Honors Spanish III] with a grade of at least 85% and recommendation of instructor.*

NEW

0425 – Spanish IV Honors: One Credit (12)

This course emphasizes reading, writing and conversational skills. Students read and discuss short works representative of peninsular Spain and Latin America. A study of the history and culture of Spain and Latin America also is an integral part of this course. The development of the students' oral and listening skills is encouraged through multiple and varied activities. This course is presented in Spanish. *Prerequisite: A minimum grade of 85% in Accelerated Spanish III Honors for Sophomores [formerly Spanish III] and department approval.*

NEW

0427 – AP Spanish Language: One Credit (12)

AP Spanish Language is a college-level course that offers students the opportunity to earn college credit and/or advanced college placement in Spanish. This course continues the development of the four language skills, with an emphasis on reading and listening to authentic sources from literature, print media and Internet sources. Students will practice exercises following the AP format. Cultural and historical aspects of the Hispanic world will also be an important part of the curriculum.

*Prerequisite: Recommendation of Spanish III Honors [formerly Spanish III] or Spanish IV Honors [formerly Spanish IV] instructors. **AP exam is required.***

0431 – French I: One Credit (9,10,11,12)

French I promotes an enthusiasm for foreign language learning through the development of listening, speaking, reading and writing skills in the context of everyday usage. An emphasis is placed on the acquisition of basic vocabulary and grammatical concepts. Some holidays and cultural materials are also explored. French is used extensively in the classroom, and a high level of student participation is required in the learning process.

0432 – French II: One Credit (9,10,11,12)

This course continues the development of basic language skills stressing more grammatical structures, basic composition skills, increased vocabulary and greater proficiency in the language, francophone culture and geography. French is used extensively in the classroom allowing ample opportunity for student interchange. *Prerequisite: A minimum grade of 80% in French I and department approval.*

0433 – French III Honors: One Credit (10,11,12)

The third year of French deals with more complex grammatical structures and more specific vocabulary for the development of writing and conversational skills. Students read selected short stories and there is a strong emphasis on French history and culture. *Prerequisite: A minimum grade of 80% in French II and department approval.*

NEW



0434 – French IV Honors: One Credit (11,12)
 This course further develops grammatical concepts, while developing writing, reading and speaking skills. Students experience more than 2,000 years of French civilization, history, culture, literature and art. *Prerequisite: A minimum grade of 85% in French III Honors [formerly French III] and department approval.*

0435 – AP French Language and Culture: One Credit (12)
 AP French Language and Culture is a college-level course that offers students the opportunity to earn college credit and/or advanced college placement in French. This course focuses on the three modes of communication (interpersonal, interpretive and presentational) while developing an awareness and appreciation of aspects of the francophone culture and perspectives through thematic integrations of language, content and culture. *Prerequisite: Department approval. AP exam is required.*

0451 – Italian I: One Credit (9,10,11,12)
 Italian I is an introduction to the basic structure of the language. Comprehension, conversation and writing are stressed. Italian customs and culture are also introduced through lively discussions and presentations.

0452 – Italian II: One Credit (9,10,11,12)
 This course continues the development of basic language skills and stresses more complex grammatical structures, basic composition skills, increased vocabulary and greater proficiency in the language and knowledge of Italian culture. Italian is used extensively in the classroom with ample opportunity for student interchange. This course will prepare the student for Italian III. *Prerequisite: A minimum grade of 80% in Italian I and department approval.*



0453 – Italian III Honors: One Credit (10,11,12)
 Italian III Honors targets more complex grammatical structures in the context of increasing speaking and listening proficiency. Students’ exposure to selected short stories develops reading skills and continues the study of Italian culture. *Prerequisite: A minimum grade of 80% in Italian II and department approval.*



0454 – Italian IV Honors: One Credit (11,12)
 This course emphasizes reading, writing and conversational skills. The course also encourages the further development of the students’ oral skills through extensive and varied oral activities. This course is presented in Italian. *Prerequisite: A minimum grade of 85% in Italian III Honors [formerly Italian III] and department approval.*

0455 – AP Italian Language and Culture: One Credit (12)
 AP Italian Language and Culture is a college-level course that offers students the opportunity to earn college credit and/or advanced college placement in Italian. This course will continue to develop the four language skills with an emphasis on writing and speaking, while deepening the student’s exposure to Italian culture. Students will expand vocabulary and deepen knowledge of intricate grammatical structures. *Prerequisite: Recommendation of instructor. AP exam is required.*

0481 – Mandarin Chinese I: One Credit (9,10,11,12)
 Mandarin Chinese I is an introductory course in basic Mandarin Chinese that stresses pronunciation of phrases and familiarizes students with the different sounds and intonations. Recognition of characters and character construction will also be explored along with certain cultural elements and celebrations.

0482 – Mandarin Chinese II: One Credit

(9,10,11,12)

This course continues to build on the skills developed in Mandarin Chinese I. Students will continue to develop listening and speaking, while expanding their vocabulary and writing skills. Students will be able to construct simple to complex oral and written conversations, while still focusing on writing characters, phrases and sentences. This class also provides a deeper insight into Chinese culture, geography, cross-cultural differences and current events. *Prerequisite: Mandarin Chinese I with a grade of 78% or better and recommendation of instructor.*

0483 – Mandarin Chinese III Honors: One Credit

(10,11,12)

Intermediate Chinese continues from elementary Chinese. While continuing to build basic skills in listening, speaking, reading and writing, the intermediate-level course emphasizes character recognition, vocabulary building, and writing cohesive paragraphs, introduces Chinese culture and history and transitions to help students understand Chinese idioms, and appreciate Chinese poems. *Prerequisite: Mandarin Chinese II and recommendation of instructor.*

NEW

0484 – Mandarin Chinese IV Honors: One Credit

(11,12)

This course continues to build the four skills of reading, writing, listening and speaking, and prepares students for advanced Chinese study. It introduces formal written expressions by exposure to common Chinese idioms and stories. Authentic multimedia, including newspaper, magazine and Internet articles will be used. *Prerequisite: Mandarin Chinese III Honors [formerly Mandarin Chinese III] and recommendation of instructor.*

NEW

PHYSICAL EDUCATION

0811 – PE I: One-half Credit (9)

PE I is a course designed to teach the importance of exercise and fitness, what one's own fitness needs are, and how to attain and maintain fitness throughout life. Students will be challenged to adopt a lifestyle that promotes one's own health and fitness. This course will incorporate wellness training in conjunction with individual, team sports, swimming and weight training.

0882 – Health: One-half Credit (10)

This classroom course will cover drug and alcohol abuse, infectious diseases (including AIDS and sexually transmitted diseases), the effects of smoking, nutrition and weight control, emotional development, as well as a discussion of other current health issues.

0830 – PE III Leaders Prep: One-half Credit (11)

This course is designed to develop leadership skills in selected junior students. The semester will utilize the classroom, gym and fitness center. Students will learn advanced skills and teaching methods in various sports/activities taught in the current curriculum. Activities will include officiating, development of fitness profiles, conducting fitness tests, lesson development and tournament construction. This course will prepare these individuals to participate in the Physical Education Leaders Program their senior year. Upon successful completion of Leaders Prep, as seniors, they will act as teacher-assistants implementing the required curriculum for that class. *Prerequisite: Students must submit a completed Leader Application by January 27, 2012. Students taking this course as a junior must enroll in Leaders PE senior year. This is a two-year commitment. Department approval.*

0844 – PE III/IV Lifetime Activities and Fitness: One-half Credit (11,12)

PE III/IV Lifetime Activities and Fitness is a course designed to teach the importance of concentration, hand-eye coordination, team play and sportsmanship with the values of respect, discipline and effort. Students will be challenged to adopt a lifestyle which promotes one's own health and fitness. Students will engage in a variety of sports that will challenge them in team play, as well as individual play. This course will include instruction in archery, badminton, basketball, flag football, eclipse ball, team handball, pickle ball, soccer, softball and volleyball. Students will also have the opportunity to learn the value of aerobics and fitness through our wellness curriculum.

0831 – Leaders PE: One-half Credit (12)

This course includes application of effective leadership qualities and techniques as learned in PE III Leaders Prep. Students will assist Physical Education teachers in tasks such as: leading warm ups, officiating activities, field/gym set up and take down, distribution and collection of equipment, organizing tournaments, skill instruction, and mechanical analysis of students' skills. Leaders are expected to act as role models for the students in the class. *Prerequisite: Department approval and a minimum average of 85% in PE III Leaders Prep.*

SCANLAN CENTER

0100 – Learning Strategies I: One Credit (9)

This course is designed for incoming freshman students with diagnosed learning differences and/or those who qualify after a case evaluation by Saint Viator personnel. The student must meet a specific set of criteria and have current educational diagnostic testing and/or applicable documentation on file. Course content includes a reinforcement of study skills, the development of strategies in organization, homework completion, reading, writing, memorizing and test taking, and the application of these strategies to content area classes. A portion of each class period is set aside for an assisted study. *Prerequisite: Placement is based on placement test results, current educational diagnostic testing and the recommendation of the Scanlan Center Placement Committee.*

0101 – Learning Strategies II: One Credit (10)

This course is designed for sophomore students with diagnosed learning differences and/or those who qualify after a case evaluation by Saint Viator personnel. The student must meet a specific set of criteria and have current educational diagnostic testing and/or applicable documentation on file. Course content includes a reinforcement of study skills, individualized instruction in understanding one's learning strengths and challenges, and the development of skills in self-advocacy, self-monitoring, higher-level thinking, problem solving and decision making. Students will also be introduced to skills needed for the successful transition into college. A portion of each class period is set aside for an assisted study. *Prerequisite: Current educational diagnostic testing and recommendation of the Scanlan Center Placement Committee.*

0103 – Learning Strategies III: One Credit (11)

This course is intended for junior students with diagnosed learning differences and/or those who qualify after a case evaluation by Saint Viator personnel. The student must meet a specific set of criteria and have current educational diagnostic testing and/or applicable documentation on file. This course serves as a resource period for the student who would benefit from additional support with academic class work. Previously learned study skills and learning strategies are reinforced during instruction. *Prerequisite: Current educational diagnostic testing and recommendation of the Scanlan Center Placement Committee.*

SCIENCE

0711 – Fundamentals of Biology Lab: One Credit (9)

This is an introductory course designed for students who require reading and math enrichment. Students use a collaborative approach to problem solving as they study the living world. Writing and communication skills are also addressed. Biological topics are studied at a less accelerated and detailed pace while emphasizing study and organizational skills. The course gives students a positive experience in science and emphasizes applying biology to everyday life and problems.

0712 – Biology Lab: One Credit (9)

In this inquiry-based laboratory course, students develop critical thinking skills by exploring a broad range of topics and themes, which include: cellular and molecular biology, genetics, populations, evolution, and ecology. Independent learning and collaborative laboratory investigation are an integral part of this course. Students will work on skills necessary to continue in the physical or biological sciences.

0714 – Biology Lab Honors: One Credit (9)

This laboratory course challenges students to explore the same basic principles of biological science as the biology course but in more depth. An inquiry approach to lab work is an integral part of this course, as well as collaboration and independence. Biology Lab Honors is designed for the student interested in science and who wishes to continue in science at the Honors or AP level.

0715 – Accelerated Biology Lab Honors: One Credit (9)

This laboratory course uses an inquiry approach to biology. It covers the same basic principles of biological science as the Biology Lab Honors course but in more depth and at an accelerated pace. It incorporates more problem-based learning and lab work. This course requires independent, as well as collaborative learning. It is designed for the advanced student interested in science and who wishes to continue in science at the Honors and AP level.

0704 – Integrated Science Lab: One Credit (10)

Integrated Science Lab is a course that provides a background in the fundamentals of chemistry, physics, earth science and astronomy necessary for further study in science. Students use the scientific method and instruments of measurements, and conduct laboratory experiments. *Prerequisite: A biology course and department approval.*

0705 – Earth Science Lab: One Credit (10,11)

Earth Science Lab concentrates on the functions of earth's systems. Emphasis is placed on earth's materials and forces, as well as geology, oceanography and meteorology. This course will focus on skill building, scientific reasoning, application of scientific principles, and graphing and interpretation of data. *Prerequisite: Biology Lab, successful completion of Algebra I and department approval.*

0722 – Chemistry Lab: One Credit (10,11)

This is an introductory course placing emphasis on discovering and understanding chemical principles from experimental observations and problem solving. Students should be proficient in handling mathematical concepts, because the course emphasizes theory and applications, which involve problem solving. *Prerequisite: Successful completion of Algebra I, registration in Algebra II or Geometry, and department approval.*

0723 – Chemistry Lab Honors: One Credit (10)

This is an accelerated introductory course in chemistry for the advanced student who desires a career or college study in science-related fields. Students must be able to work independently, have good lab skills and handle mathematics concepts without difficulty. A higher level of problem solving skills is essential because of the emphasis on theory and applications. Twice a week, the class meets for an additional half period. *Prerequisites: Successful completion of Accelerated Algebra I Honors or Accelerated Algebra I/Geometry Honors, and Biology Lab Honors or Accelerated Biology Lab Honors, and department approval.*

0720 – Fundamentals of Chemistry Lab: One Credit (11,12)

This course is for students who may not plan on majoring in science but would like some chemistry background for college. Fundamentals of chemistry will be taught both in lecture and laboratory formats so that students will develop a solid foundation of chemistry knowledge for future use. This course is less mathematically rigorous than Chemistry Lab or Chemistry Lab Honors in its problem-solving approach. *Prerequisite: Successful completion of Algebra I, a biology course and department approval.*

0745 – Physics Lab: One Credit (11,12)

This course is for the student who wants a good science background for college. Emphasis is on experimentation, analysis of data and problem-solving skills. Course content includes mechanics, sound, light, electricity and magnetism. The student gains skill in the interpretation of data tables and graphs, as well as use of computerized physics equipment. *Prerequisite: Completed Algebra I and Geometry, and registration in Algebra II with department approval.*

0746 – Physics Lab Honors: One Credit (11,12)

Physics Lab Honors is for the advanced student who would like to continue in the honors science program. This course should be taken during the junior year if the student plans to take Advanced Placement science classes. This course covers content in depth at an accelerated pace. Computerized experimentation, data analysis and problem solving are emphasized throughout the course. *Prerequisite: Chemistry Lab Honors. Must be enrolled in Pre-Calculus or Pre-Calculus Honors, plus department approval.*

0730 – Environmental Science Lab I: One-half Credit (11,12)

Environmental Science Lab I is designed to introduce the students to major ecological concepts and environmental problems such as ecosystems, natural resources, sustainable agriculture, the atmosphere, water, energy, pollution and population. Students may take both semesters or choose either semester. Two field studies and two major projects will occur each semester, emphasizing a hands-on approach with various environmental topics. In addition to learning scientific concepts, the students will be expected to develop a personal environmental ethic that will reflect understanding of the stewardship of the Earth. Topics: Ecology, Nutrient Cycles, Biomes, Overpopulation, Global Warming, Current Environmental News Topics. *Prerequisites: Biology and one other science course, plus department approval.*

0731 – Environmental Science Lab II: One-half Credit (11,12)

Environmental Science Lab II is designed to introduce the students to major ecological concepts and environmental problems such as ecosystems, natural resources, sustainable agriculture, the atmosphere, water, energy, pollution and population. Students may take both semesters or choose either semester. Two field studies and two major projects will occur each semester emphasizing a hands-on approach with various environmental topics. In addition to learning scientific concepts, the students will be expected to develop a personal environmental ethic that will reflect understanding of

the stewardship of the Earth. Topics: Energy and its related issues, Air and Water as a resource, Pollution, Managing Human Impact, Environmental Law, Current Environmental News Topics.
Prerequisite: Biology and one other science course, plus department approval.

0750 – Anatomy/Physiology Lab: One Credit (11,12)

This course gives students an understanding of the structure and functions of the human body. Topics covered include the study of tissues; the nervous, circulatory, muscular, skeletal, respiratory, digestive, excretory, endocrine and reproductive systems; and the body as a whole. Students participate in detailed labs and dissections, do outside reading and reports, and observe, analyze and interpret information. Outside reading and memorization of anatomy terms are required. A field trip enhances topics of study.
Prerequisite: Biology Lab and a physical science. Chemistry Lab is recommended but not required. Department approval.

0725 – Astronomy: One-half Credit (12)

This class is commonly known as the star class. Night sky and constellations are studied. Students gain knowledge of the moon, our sun and the life cycle of all stars. Night viewings and field trips enhance this class. Labs are included in this course. Math content is minimal. *Prerequisite: Department approval.*

0726 – Chemistry Lab II: One-half Credit (12)

This course is intended for the senior who has taken a previous course in chemistry. The class will be half organic chemistry and half qualitative analysis. In organic chemistry, nomenclature of compounds and some basic reactions will be discussed and some basic labs will be performed. The qualitative analysis portion will be predominantly labs with the purpose of identifying ions in solution. Good laboratory skills are necessary. Math content will be minimal. *Prerequisite: Successful completion of any chemistry class and department approval.*

0727 – AP Chemistry Lab: One Credit (11,12)

The course is approximately equivalent to a first-year college chemistry course. Topics that were covered in the Chemistry Lab Honors course may be covered in greater depth. These would include structure, bonding, states of matter, reactions (type, stoichiometry, kinetics and equilibrium) and thermodynamics. Units in electrochemistry, nuclear chemistry, and properties of metals and nonmetals, and descriptive chemistry will also be included. The laboratory experiences provided by this course support the lecture topics. Students will demonstrate their understanding of the chemistry topics through a variety of laboratory activities. *Prerequisite: Biology Lab Honors or Accelerated Biology Lab Honors, Chemistry Lab Honors. Must have successfully completed or concurrently enrolled in Physics Lab Honors. AP exam is required.*

0716 – AP Biology Lab: One Credit (11,12)

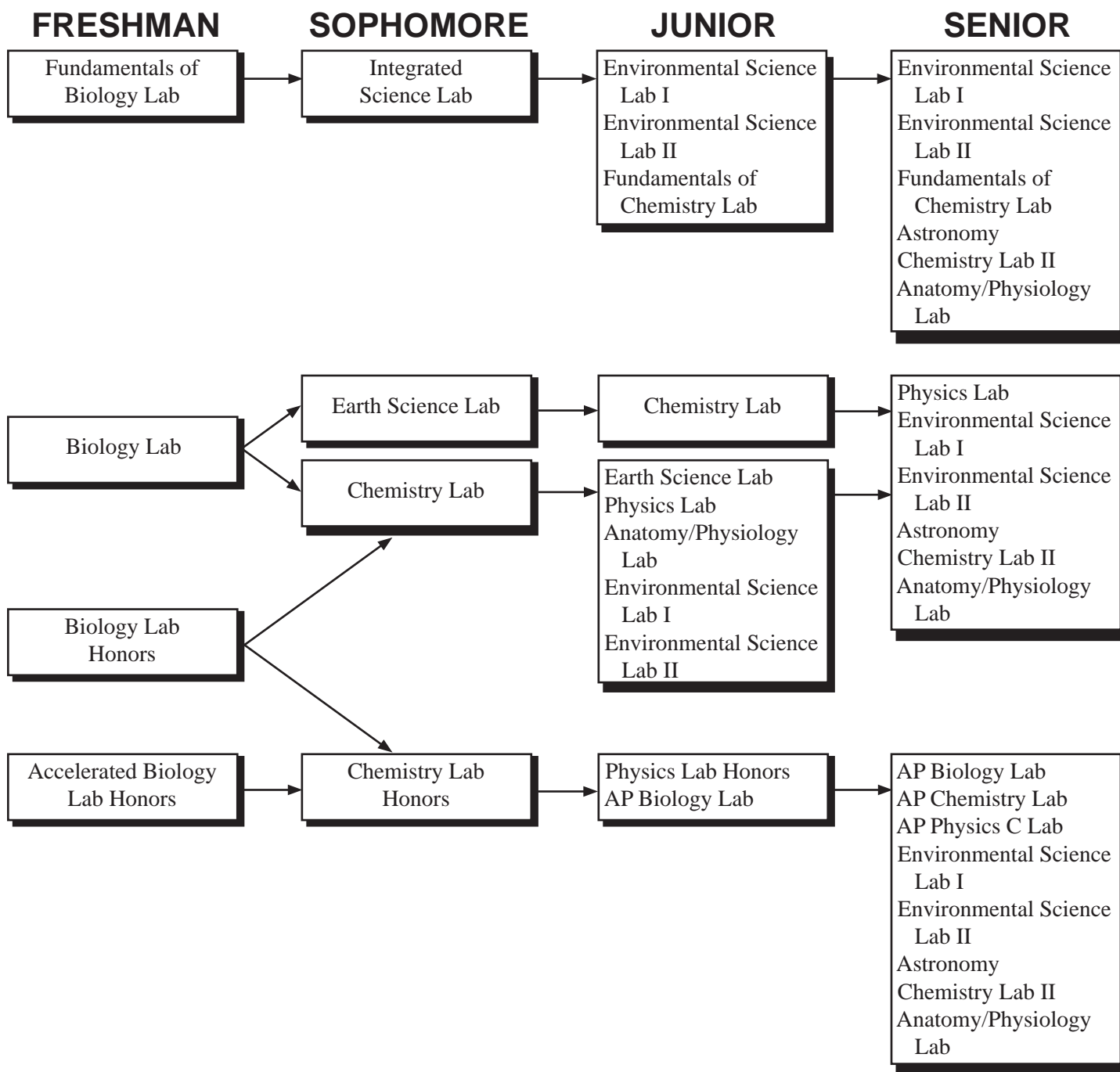
This is an introductory college course for accelerated students with a special interest in biology. The course satisfies and exceeds the requirements of the national AP Biology College Board. Students acquire an in-depth understanding of many biological processes and principles. Emphasis is on molecular and cell physiology, genetics, organisms and populations, evolution and ecology. A comprehensive lab experience is included in this course. Evaluation is based on student review of current journal articles, tests and laboratory work. The course meets for 1½ periods daily. Field trips enhance study. College credit may also be earned through an arrangement with St. Mary's University of Minnesota (B110, Botany & Zoology, 4 credits) or by taking the Advanced Placement examination. *Prerequisite: Biology Lab Honors, Chemistry Lab Honors, enrollment or completion of Physics Lab or Physics Lab Honors and department approval. May be taken concurrently in junior year with Physics. AP exam is required.*

0747 – AP Physics C Lab: One Credit

(12)

AP Physics C Lab is an introductory college-level course for accelerated students with a special interest in physics. Emphasis is on computerized experimentation, analysis of data and problem-solving skills. Course content will be determined by the topics emphasized in the national AP Physics examination. The course will cover mechanics, electricity and magnetism in greater depth and at a more accelerated pace than Physics Lab Honors. Students must have good math skills and be able to handle mathematical concepts with ease. College credit may also be earned through an arrangement with St. Mary’s University of Minnesota (P180/181, Principles of Physics, 4 credits) or by taking the Advanced Placement examination. *Prerequisite: Enrollment in Calculus or Pre-Calculus Honors, Biology Lab Honors, Chemistry Lab Honors, Physics Lab Honors, and department approval.*
AP exam is required.

Science Course Sequencing



SOCIAL STUDIES

To meet the Saint Viator graduation requirement, students must take three full credits of social studies. This includes the state requirement of one full year of U.S. History.

U.S. History to 1860 Honors is a prerequisite to AP U.S. History.

Federal and State Constitution Tests Requirements – See Page 5

Students are required by the State of Illinois to pass both the Federal and State Constitution tests in order to receive their diploma.

0362 – Fundamentals of Modern World History: One Credit (9)

Modern World History is a basic class carefully designed for students with learning challenges and is intended to lay a solid foundation for their future studies at the secondary and college levels. It includes an introductory survey of western and non-western civilizations. Students will trace the development of nations and cultures. They will learn of the political, economic, intellectual, and social advances of nations, as well as the interactions among nations. The course emphasizes the development of organizational skills, note-taking, outlining, map reading, writing and basic research. *Prerequisite: Department approval.*

0360 – Modern World History: One Credit (9)

Modern World History is an introductory survey of western and non-western civilizations. Students will trace the development of nations and cultures. They will learn of the political, economic, intellectual and social advances of nations and of the interactions between nations. The course emphasizes the development of organizational skills, note-taking, outlining, map reading and basic research. A strong emphasis will be placed on the development of writing skills.

0361 – Modern World History Honors: One Credit (9)

Modern World History Honors is an introductory survey of western and non-western civilizations. Students will trace the development of nations and cultures. They will learn of the political, economic, intellectual and social advances of nations and of the interactions between nations. Students read extra materials in addition to the text and produce essays on significant themes. The course emphasizes the development of organizational skills, note-taking, outlining, map reading and basic research. A strong emphasis will be placed on the development of writing skills. *Prerequisite: Department approval.*

0311 – Geography: One-half Credit (10)

Geography covers the physical and human aspects of the world and their interrelation with many parts of the globe throughout history and present day. In order to make clear the link between physical geographic features and human development, five fundamental themes are presented: location, place, human-environment interaction, movement and region. Critical skills such as map reading, learning to evaluate charts and statistics, essay writing, and research skills are stressed.

0357 – Contemporary World Issues: One-half Credit (10)

This course is a study of current issues that are of world, national or local importance, and have contemporary historical significance. Particular attention is given to events of political, geographic, social and economic significances in respect to the shaping of the world around us. The following topics are a sample of addressed issues: Constitutional rights, domestic social issues, economic

development, science & technology, human rights, global environment, defense, United States foreign policy and peace initiatives. These are all issues that affect students directly or indirectly and cannot be ignored as they enter adulthood as members of a global society. Various resources such as newspapers, periodicals and media are used as references. Discussion, research and critical thinking will be emphasized.

0328 – U.S. History to 1860 Honors: One-half Credit (10)

U.S. History to 1860 Honors is a one-semester, college-level course that considers the major religious, political, social and economic themes from the founding of Jamestown (1607) to the firing on Ft. Sumter (1860). Emphasis is placed on writing skills and the significant content of this period. Summer reading will be required. *Note: Department approval. Completion of this course with an 85% average is a prerequisite for AP U.S. History.*

0333 – U.S. History WWII to the Present: One-half Credit (11)

This is a survey course covering the history of our country from the causes of World War II to present day. Emphasis is placed on cause and effect of key events in the history of our country rather than the memorization of facts and dates. Students will understand religious, social, economic and political forces that have shaped the development of the United States to present day.

0399 – AP U.S. History: One Credit (11,12)

AP U.S. History is a one-year, college-level course which considers the major religious, political, social and economic themes that have contributed to the development of the United States. Emphasis is placed on the improvement of writing skills especially document-based questions and free-response essays. A major research paper will be required and outside readings will be assigned frequently by the instructor. Great emphasis will be on the detailed content of the course in preparation for the AP U.S. History test in May. College credit may also be earned through an arrangement with St. Mary's University of Minnesota. A summer reading assignment is required along with an assignment due the first day of class. *Prerequisite: U.S. History to 1860 Honors with an 85% average. AP exam is required.*

0330 – Urban Studies: One-half Credit (11,12)

Urban Studies offers the student an opportunity to examine the history, geography, politics and culture of the city of Chicago. It begins with the early settlement of "Chigagou," moves on to the founding of the city, and follows its evolution through the 20th century. The course goal is for students to understand the geographic, racial, socio-economic, cultural and architectural development of Chicago. Particular emphasis is placed on the Native Americans, urbanization, the Fire, Columbian Exposition, mayors, machine politics and how to use public transportation to get around. Students will also read a novel related to the course content.

0345 – Sociology: One-half Credit (11,12)

Sociology follows the development of societies through an awareness of the processes of socialization, an understanding of culture and society, social stratification, deviance, and social institutions. Students will be expected to show mastery of material through essay tests, projects, research reports, oral reports and group interaction.

0348 – Global Economics: One-half Credit (11,12)

This course provides a general overview of global economics. Topics covered include: reasons for and the effects of global trade, trade policies, tariffs, quotas and voluntary export restraints, trade agreements, and institutions such as the World Trade Organization, the International Monetary Fund and the World Bank. Additional topics include determination of exchange rates, role of global economy in influencing national income, unemployment and inflation. Emphasis is on concepts, ideas and institutions, rather than rigorous analysis. Students will demonstrate their learning through tests, written reports and discussion.

0342 – AP Comparative Government and Politics: One-half Credit (12)

This course introduces the students to fundamental concepts used by political scientists to study the process and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policy making. Six countries form the core of the AP Comparative Government and Politics course. China, Great Britain, Mexico, Nigeria and Russia are all regularly covered in a college-level introductory comparative politics course. The inclusion of Iran adds a political system from a very important region of the world and one that is subject to distinctive political and cultural dynamics. By using these core countries, the course moves the discussion of concepts from abstract definition to concrete example. Great emphasis will be on the detailed content of the course in preparation for the AP Comparative Government and Politics Test in May. College credit may also be earned through an arrangement with St. Mary's University of Minnesota. *Prerequisite: Department approval.*

AP exam is required.

0398 – AP European History: One Credit (12)

This year-long course places attention upon understandings equivalent to those gained in a college-level introductory course. Emphasis is on the general narrative of European history from 1450. The course also includes examination of the political, intellectual, cultural and economic history of Europe. Course requirements include daily reading, quizzes, tests and at least one major project. Readings will include at least two books in addition to the text. Students completing the course will take the Advanced Placement examination in May for college credit. College credit may also be earned through an arrangement with St. Mary's University of Minnesota. A summer reading assignment is required along with a paper that is due the first day of class. *Prerequisite: Department approval.* ***AP exam is required.***

APPENDIX

2012-2013 Tentative Rehearsal and Performance Schedule for Performing Arts Courses

The following is a list of rehearsals and performances of the indicated Performing Arts courses. As stated in the course description of each of these courses, "Participation in performances is required for a passing grade." Please note that these dates were compiled in January of 2012 and may be changed. Every effort has been made to include all dates, but additional rehearsals and performances may be added to the calendar. Students will be notified of all changes as soon as possible.

Date	Event	Time						
			Symphonic Band	Concert Band	Jazz Band	Concert Choir	Music Ministry	
August 7 & 9 August 26*	Band Rehearsals Frosh Family Mass	6:00 - 7:30 p.m. 10:00 a.m. - 12:00 p.m.		X	X			
October 21* October 30	Junior Ring Mass Fall Music Concert	TBA 3:00 - 5:00 p.m.		X	X	X	X	X
November 11* November 12*	Open House Open House	1:00 - 3:00 p.m. 6:30 - 8:30 p.m.				X	X	X
December 16	Winter Arts Festival	7:00 - 10:00 p.m.	X	X	X	X	X	X
February 16 February 23	"State of the Art" Band Contest "Jazz in the Meadows" Contest	TBA TBA		X	X			X
March 7 March 16	Fine Arts Week performance North Shore Music Fest. (Opt.)	during school day TBA		X	X	X	X	X
April 9 April 23*	Choral Showcase Mini-Tour to Area Schools	7:00 - 9:00 p.m. during school day					X	X
May 5 May 16 May 19	Spring Arts Festival Baccalaureate Mass Graduation	1:00 - 4:00 p.m. 6:30 - 8:30 p.m. 1:00 - 3:00 p.m.	X	X	X	X	X	X

* Date may change