

# **SAINT VIATOR HIGH SCHOOL**

## **2017 CURRICULUM GUIDE**

# 2017 – 2018 Curriculum Guide

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## **Mission Statement**

Saint Viator High School is established by the Clerics of St. Viator and the Archdiocese of Chicago to continue the Viatorian mission in the Church “to proclaim Jesus Christ and His Gospel and to raise up communities where faith is lived, deepened and celebrated.” Saint Viator High School is, therefore, a Catholic educational community called to provide religious formation and an academic program of excellence to young men and women of the northwest suburbs of Chicago.

The school will attain these goals by providing a college preparatory curriculum integrated with Christian principles which emphasize responsibility to society and to the Church. Saint Viator will foster a respect for the dignity and uniqueness of individuals and will challenge students to reach their maximum potential in intellectual, physical, spiritual, and emotional growth.

Through the full collaboration of parents, students, faculty, and staff in all dimensions of the school’s life and governance, Saint Viator High School will achieve its mission by becoming an educational and formational community of faith.

Established April 19, 1990  
Board of Governors  
Saint Viator High School

## **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;
- utilize the power of technology to provide access to learning resources outside of the classroom;
- develop 21<sup>st</sup> century skills of collaboration, critical thinking, complex problem solving and digital citizenship.

## **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 core concepts and skills of each discipline;

- solves problems collaboratively with an international perspective;
- discerns and evaluates the vast quantities of information available in the 21<sup>st</sup> 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.

## 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 a Christian community. Christian Service challenges students, faculty and staff alike to learn about their community and its needs and then 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. Twenty-five hours serving the marginalized are required over the four years. The remaining hours may be completed in any other area.

### Christian Service Hours per Year

The graduation requirement is a minimum of 100 hours of Christian Service. A minimum of 25 hours per year are required as a graduation requirement. Any Christian Service that meets the guidelines of the Christian Service Handbook are acceptable.

### **Christian Service Guidelines**

Inspired by Jesus, Fr. Louis Querbes, the founder of the Clerics of St. Viator had a special concern for those "accounted of little importance" in society. As a Catholic and Viatorian school, Saint Viator students are called to be of service to others, especially those with significant material, physical, emotional and spiritual needs.

Service comes in many forms. **Direct service** involves person-to-person contact *with* those being served while **indirect service** is working *for* people without person-to-person contact. Saint Viator believes that a blending of both direct and indirect service with a marginalized community, community group, or within the Saint Viator High School community will enhance a student's faith life.

Students must complete marginalized service hours with an approved not-for-profit agency, such as those found on our website. Any new not-for-profit requires advanced approval from the Christian Service office. The approval form for new agencies is found on our website.

Students are encouraged to complete their Christian Service by blending their service with **marginalized**, and within their **community**. Students are required to complete at least 25 hours in service to the marginalized of society before they graduate. The remaining 75 hours may be completed

in community service, in-house or with the marginalized of society. Students are encouraged to complete the remaining required hours in an area of service for which they have a passion.

Saint Viator High School reserves the right to deny any service hours offered to organizations known, or are discerned to be, in direct violation of the Church's teachings on the dignity and value of the human person. Each service hour must be verifiable. Questions can be directed to the Coordinator of Christian Service.

### **2017 – 2018 Christian Service Hours Quick Reference Guide**

- **A Minimum of 100 hours to fulfill graduation requirement**

A minimum of 25 hours with the marginalized people of society

A minimum of 75 additional hours within the community and/or with the marginalized people of society

- **Types of organizations that fulfill the 25 hours with the marginalized**

Programs for people with special needs

Women's/Homeless shelters

Soup kitchens

Food drives

Pro-life organizations

Hospital programs

Nursing programs

Tutoring programs

- **Types of organizations that fulfill the hours as community service/civic society**

Park Districts

Parish (lecturing/altar service/catechist)

Civic groups

School

Community festivals

Sports clubs

**Students may also have up to 15 hours of the remaining 75 hours designated as "in house**

Retreat Leader

Feeder programs

Usher

Concessions

Future Lions

Recycling

### **Non-Completion of Christian Service Hours**

A student who has not completed a minimum 10 hours of Christian Service by January 10 will be ineligible for any co-curricular activities until the hours are logged, verified, and approved. Any student who still does not have the 10 hours completed and recorded by February 1 will be suspended from school without being able to make up any missed work (including quizzes, tests, etc.) until the hours are approved.

Freshmen, Sophomores, and Juniors: The additional 15 hours for the year are due by May 20. Any student who does not meet the May 20 deadline along with being ineligible for co-curricular activities will also be assigned to detention each day after school until the hours are logged, verified, and approved.

The senior year deadline to complete Christian Service is April 21. A senior who has not completed his or her service by April 21, will be ineligible to participate in any co-curricular activities, lose all senior privileges (including early release) and will be required to attend detention each day after school until the hours are logged, verified, and approved.

**If you have additional questions, please contact: Christian Service Office 224-625-1268**

### **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, 1.0 credit U.S. History, 1 credit Social Studies Elective, For the Class of 2020, 1.0 credit World History, 1.0 credit U.S. History, 0.5 credit Civics, .05 credit elective)
- 2 Modern World Languages (2 credits in Fine Arts may be substituted when approved by the principal)
- 2 Physical Education/Health
- 0.5 Computer Technology (Mobile Apps will be the only course that satisfies this requirement for the classes of 2019 and 2020)
- 0.5 Fine Arts
- 0.5 Elective

### **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 2016-2017 school year, the fee was \$93 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.



## AP COURSE WEIGHTS

All AP courses are weighted at 1.118. Honors courses are weighted at 1.094.

## 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.

Incoming 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 online and should seek 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: enrollment, limited sections of a course, facility limitations that impact the ability to offer a course, teacher availability, registration priorities, etc.

## COURSE CHANGES

Changes in class placement should be completed by **May 1**. In an effort to provide quality education and individual attention, as well as maintain class size, any student who drops a course reducing the number of credits they are enrolled in after **June 1** will continue to be charged the tuition based on their total credits as of **June 1**.

Students and parents should give careful consideration to class choices and should consult with the counselor whenever needed. The master schedule is built and teachers are hired based on the course selections of the student.

**There will be NO changes made for 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. A schedule change will be considered 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. Second semester seniors are not allowed to**

**drop core classes second semester unless they have failed a class the previous semester and need to add an additional course.**

Change of placements and schedule changes should be completed by **May 1 for the upcoming school year** in order to ensure that a student does not purchase e-books and/or apps that are not returnable. All e-book and app purchases are final sales; parents assume the cost of these purchases without reimbursement.

A student granted special 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.)

After the first day of classes, the only changes that will be considered are those resulting from an academic misplacement or a counselor request. A “69%” will be issued for drops beginning with the second 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.

### **DISTANCE LEARNING** **(VIRTUAL ACADEMY – ARCHDIOCESE OF CHICAGO)**

Saint Viator High School in an effort to offer personalized learning opportunities will offer five online courses for next year. None of these courses are part of our daily curriculum offerings and are being offered in an effort to provide for a student’s individual interests. The program is offered through the Archdiocese of Chicago, but is administered by Keystone, a division of K12, Inc. It combines flexibility with academic rigor and individualized attention to offer courses accredited by Advanced Ed. **Registration for on-line courses will be August 15 to September 1. Students need to have the approval of their counselor to enroll in these courses.**

### **DUAL CREDIT – PARTNERSHIPS WITH LOYOLA UNIVERSITY CHICAGO AND** **ST. MARY’S UNIVERSITY – WINONA**

Saint Viator High School has developed a partnership with both Loyola University of Chicago (Dual Credit Program) and St. Mary’s University of Minnesota (PACC) to offer college credit for approved upper-level courses which are offered at Saint Viator High School and taught by our teachers. Students will be notified when they are enrolled in a class that offers dual credit and given a brief opportunity to enroll with the universities to receive dual credit. St. Mary’s charged \$75 per credit hour and Loyola charged \$65 per credit hour during the 2016-2017 school year.

The following courses are offered for dual credit to our students:

## St. Mary's

AP US History to 1865 (3 credits)  
AP US History 1865 to Present (3 credits)  
AP English Language and Composition (3 credits)  
AP Physics (4 credits)

## Loyola

AP Biology (3 credits per semester)  
AP Spanish (3 credits)  
AP Italian (3 credits)  
AP Calculus AB (3 credits)

St. Mary's and Loyola 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](http://www.smumn.edu)).

We will use the following grading scale when reporting grades to the universities.

St. Mary's		Loyola	
A	92 – 100	A	92 – 100
A/B	88 – 91	A-	90 – 91
B	82 – 87	B+	88 – 89
B/C	78 – 81	B	82 – 87
C	70 – 77	B-	80 – 81
		C+	78 – 79
		C	72 – 77
		C-	70 –

## PATHWAY TO STEM DESIGNATION

The STEM (science, technology, engineering, math) designated curriculum is designed for those students who are considering a college major in one of these fields. The students will supplement their college preparatory coursework with an emphasis on STEM-designated classes and experiences. A student may opt into the program in freshman or sophomore year. Upon successful completion, they will receive a designation on their transcript and recognition with a cord at graduation.

### Requirements for STEM Designation

Program requirements:

- Minimum of 2 STEM courses per year (Math, Science, and approved Computer Technology classes) with a specified minimum grade

- One full year of an approved computer technology class
- Successful completion of at least one Advanced Placement math or science class
- Completion of four approved STEM experiences
- Digital portfolio of experiences

### **STEM Classes**

#### **MATHEMATICS**

0510 Algebra 1  
 0513 Accelerated Algebra 1 Honors  
 0512 Accelerated Algebra 1/ Geometry Honors

0521 Geometry  
 0524 Geometry Honors

0532 Algebra 2/Trigonometry  
 0533 Algebra 2/Trigonometry Honors

0541 Pre-Calculus  
 0542 Pre-Calculus Honors

0550 AP Calculus AB  
 0551 AP Calculus BC  
 0553 AP Statistics  
 0552 AP Computer Science Principles

#### **SCIENCE**

0712 Biology Lab  
 0714 Biology Lab Honors  
 0715 Accelerated Biology Lab Honors

0722 Chemistry Lab  
 0723 Chemistry Lab Honors

0745 Physics Lab  
 0746 Physics Lab Honors

0727 AP Chemistry Lab  
 0716 AP Biology Lab  
 0747 AP Physics C Lab

#### **COMPUTER TECHNOLOGY**

0272 Mobile Apps Programming I  
 0273 Mobile Apps Programming II  
 0570 Introduction to Computer Science using C++

## 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, prayer, creed, sacraments, the Ten Commandments 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 necessary for understanding the Bible. Students are then challenged 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 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.

## COMPUTER TECHNOLOGY

**The following courses fulfill the .50 credit technology requirement:**

**Members of the Class of 2018:**

Introduction to Computer Programming using C++  
AP Computer Science Principles  
iPad Media Arts  
Adobe Photoshop  
Mobile APPS

**Members of the Classes of 2019, 2020, 2021:**

Introduction to Computer Programming using C++  
AP Computer Science Principles  
Mobile APPS

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

This course combines Google Documents, Google Drive, 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. Additional topics covered in this class include Internet Safety and Digital Citizenship.

**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. The ability to use spreadsheets will aid the students in developing managerial decision-making skills necessary in accounting and business. Additional topics covered in this class include Internet Safety and Digital Citizenship. *Computer skills: Detailed use of spreadsheets.*

**0272 – Mobile APPS Programming I: One-half Credit (9, 10, 11, 12)**

Students will learn basic programming skills that will allow them to create software applications, create games and phone applications. The course uses the new programming language of Swift for writing programs for iOS and OSX app development. Students familiar with developing code in C and Objective-C will notice the similarities.

**0273 – Mobile APPS Programming II: One-half Credit (9, 10, 11, 12)**

This course is a continuation to the introductory course. Students will continue developing their ability to develop software applications, create games and phone applications. Students will further their knowledge of using the programming languages of Swift. *Prerequisite: Mobile Apps Programming I.*

**0274 – Mobile APPS Programming III: One-half Credit (10, 11, 12)**

This course follows Mobile APPS II as a continuation of APP development. The student will design APPS that have been requested by the faculty to be used in school. *Prerequisite: completed Mobile APPS II in the previous spring semester.*

**0275 – Mobile APPS Programming IV: One-half Credit (10, 11, 12)**

This course is a continuation of Mobile APPS III as the students work on completing APPS started in Mobile APPS III along with new projects and develop APPS of their own design. *Prerequisite: completed Mobile APPS III the previous semester.*

## ENGLISH

**0111 – Literature and Composition I 0111: One Credit (9)**

Literature and Composition I 0111 stresses the basic skills in Grammar, Usage, and Mechanics that students need for clear, grammatically correct writing.

**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. *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 a research paper based on analytical expression. Students deliver speeches during a second semester unit and continue the development of vocabulary and grammar skills. *Prerequisite: Department approval.*

**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 the 1600s to the present. Students analyze form and content of reading assignments through class discussions, project-based assessments, 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 reading, writing, and rhetoric, particularly analyzing how texts use rhetorical strategies to create meaning, purpose, and effect. Students will also study and compose essays integral to an introductory college composition course, such as narrative, analysis, argumentation, and a long-term research paper.  
*Prerequisite: 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 presents a survey of the literature of major British authors from the Pre-Romantic Period through the Modern Era. 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.
- 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 his or her 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 his or her 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 emphasizes the importance of effective communication skills in personal, professional, and social contexts.
- 0124 – College Writing: One-half Credit (12)**  
College Writing offers students the opportunity to develop writing skills and practice writing formats at the college level. Essays of various genres, such as exposition, persuasion, argumentation, definition, description, narration, process-analysis, explication, cause and effect, comparison and contrast, literary criticism, division-classification, and exemplification are pursued. Revision of papers for conciseness, style, and accuracy advances the goals of astute grammatical usage, appropriate writing structures, and creative variations in style.

**0199 – AP Literature and Composition: 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. Essay writing is a key component of this course. *Prerequisite: Department approval. AP exam is required.*

## FINE ARTS

### Performing Arts

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

This ensemble provides advanced instrumental experiences through study and performance of all types of band literature. Students are accepted by audition, with assignments made according to proficiency and instrumentation. Students in this ensemble should expect to practice daily in order to meet the demands of the music. Completion of this course involves, in addition to the regular schedule of rehearsals, participation in public performances by the band. *Prerequisite: Audition or consent of instructor.*

**0601 – Jazz Band: One Credit (9, 10, 11, 12)**

Students are exposed to a variety of jazz compositions, arrangements, and improvisational procedures. Jazz band participation promotes a high degree of stylistic and technical competence in performance. **This ensemble will engage in events throughout the school and community. Membership is limited by** audition and instrumentation demands. **This class will start at 7:10 a.m. each morning and end at 7:55 a.m.** *Prerequisite: Successful audition, prior band experience, prior involvement with Jazz Band, or consent of instructor.*

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

This ensemble concentrates on improving individual playing technique and exposing students to appropriate concert band repertoire. Membership in Concert Band does not require an audition. Completion of this course involves, in addition to the regular schedule of rehearsals, participation in public performances by the band. Any student who has experience playing an instrument is encouraged to join this outstanding ensemble.

**0641 – Percussion Ensemble: One Credit (9, 10, 11, 12)**

Percussion ensemble fosters the improvement of individual playing technique while exposing students to music specific to the world of percussion. The ensemble is formed from each curricular band's percussion section. Students with an interest in percussion are encouraged to enroll in this course. Performance opportunities include, but not limited to, involvement with the curricular bands and the Saint Viator Drum Line. *Prerequisite: Previous piano experience, middle school band participation, or consent of instructor.*

**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, traditional hymns and contemporary. Participation at rehearsals and Masses are 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.) Students enrolled in this course are eligible to audition for Chamber Singers.

**0604 – Concert Choir: One Credit (men - 9, 10, 11, 12; women - 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. Students enrolled in this course are eligible to audition for Chamber Singers.

**0642 – Treble Choir: One Credit (9, 10 – women only)**

Treble Choir is open to all freshmen and sophomore women. Students will learn fundamentals of singing from various genres and traditions. The Treble 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. Students enrolled in this course are eligible to audition for Chamber Singers.

**0643 – Digital Music and Production: One-half Credit (9, 10, 11, 12)**

Digital Music and Production is a semester course that is offered to any student at Saint Viator. Students will develop knowledge of the business of music, music copyright laws and ethics, studio recording, basic music theory needed to create music, and the creation and performance of electronic music. Students are introduced to sound editing and creation through the use of a computer and iPad. **Prior experience in music is not needed!**

**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.*

**0655 – Film Study and Production: One-half Credit (11, 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 short films with classmates to demonstrate the techniques and styles covered in class.

**Art, Design and Technology**

**0623 – Introduction to Adobe Photoshop: One-half Credit (9, 10, 11, 12)**

This class explores the uses of Adobe Photoshop CS6 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, discussions, and portfolio development. It will explore Photoshop as a design tool and develop real-world projects that explore aesthetics, content, composition and production guideline. The class covers techniques applicable for creating and publishing images, as well as issues of ethics and responsibilities in digital design.

**0625 – iPad Media Arts: One-half Credit (9, 10, 11, 12)**

Have you ever wanted to take the perfect photograph? Create a demonstration video that'll earn you a top grade? Ever wanted to learn how to make an animated movie? Then iPad Media Arts is the class for you! iPad Media Arts introduces the student to the aesthetics of photography, videography (using

iMovie), and animation through use of an iPad. The emphasis of the course is on using an iPad to create still and moving images, composition, elements and principles of design and creative expression. Techniques of basic photography are explored using the iPad and a variety of apps while exploring photography and videography as an art form. Themes such as landscape, sports photography, portraits and portrait lighting, photo journalism, animation and others will be explored, as well as the creation of a variety of videos and animations.

**0626 – Introduction to Visual Arts: One-half Credit (9, 10, 11, 12)**

In this course, students will explore a variety of tools, techniques, technology and media to provide them with the necessary foundation to expand into specialized areas. Studio activities will introduce students to the elements and principles of design and focus on developing skills in drawing, painting and sculpture. Student will become familiar with the major forms of contemporary artistic expression and become informed observers of their visual culture.

**0627 – 2-D Design: One-half Credit (9, 10, 11, 12)**

This course is designed to give students additional experiences in creative thinking and problem solving using 2-D art media. In this class, students will build upon the concepts and skills learned in *Introduction to Visual Arts*, using a variety of media and technology, students can focus on a representational or expressive style to produce works of art that relate to specific design issues and themes. Prerequisite: *Introduction to Visual Arts*.

**0628 – Advanced 2-D Design: One-half Credit (9, 10, 11, 12)**

This course is designed for the serious artist student and provides students with a 2-D Design concentrated program. Emphasis is centered on studio work and the preparation of a digital portfolio. Students work in such 2-D media as charcoal, watercolors, and pastels as well exploring new technologies in art. Studies of the human form, composition, abstract design, and others are examined. Prerequisite: *Introduction to Visual Art and 2-D Design*.

**0634 – 3-D Design: One-half Credit (9, 10, 11, 12)**

This course provides a hands-on approach for understanding contemporary sculpture. Creative problem-solving techniques are explored through various sculpture media. Students will have the opportunity to work with a variety of technologies and materials including clay, plaster, wood, metals, and others. Students will be introduced to the principles of design in regards to both decorative and functional sculpture.

**0635 – Advanced 3-D Design: One-half Credit (9, 10, 11, 12)**

This class gives students advanced experiences in creative thinking and problem solving with three dimensional art issues and media. Students explore ceramics, jewelry making, 3-D printing, metalwork, and other sculpture materials in expressing ideas of creativity, social issues, abstract concepts, and others. Exploring emerging technologies in sculpture and creation of a digital portfolio are embedded throughout the course. Prerequisite: *3-D Design*.

## 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.*

**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 – Geometry 0520: One Credit (10, 11)**

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. TI 84 calculator required.

*Prerequisite: Algebra I or Algebra 0507, and department approval.*

**0521 – Geometry: One Credit (10)**

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. TI 84 calculator required. *Prerequisite: Entrance Exam score, Math Department Placement Test and department approval. Sophomore placement based on completion of all Algebra I 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.)*

**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. TI 84 calculator required. *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, quadratic functions, complex numbers, polynomial functions, exponential functions, logarithmic functions, rational functions, radical functions, trigonometric functions. This course also covers matrices, sequences, series, trigonometric graphs and trigonometric identities. TI 84 calculator is required. *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. Additional topics covered in this class include Internet Safety and Digital Citizenship. *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 (10, 11)**

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. TI 84 calculator required. *Prerequisite: Any one of the following courses: 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. TI 84 calculator required. *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. TI 84 calculator required. *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. TI 84 calculator required. *Prerequisite: Algebra II/Trigonometry 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. TI 84 calculator required. *Prerequisite: A minimum grade of 90% in Algebra II and department approval.*

**0539 – Advanced Integrated Math and Statistics: One Credit (12)**

Students continue their study of mathematics covering algebra topics not studied in Algebra II. These include conic sections, quadratic, logarithmic and polynomial functions and sequences and series. Topics in Trigonometry including basic right triangle trigonometry, law of sines and cosines, trigonometric functions and their graphs and trigonometric equations. This course will also introduce topics in Statistics, including but not limited to, descriptive statistics, correlations, the Normal Curve and inferential statistics. TI 84 calculator required. *Prerequisite: 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 Loyola University Chicago (M161, Calculus I, 4 credits). TI 84 calculator required. *Prerequisite: Pre-Calculus and department approval. AP exam is required.*

**0551 – AP Calculus BC: One Credit (12)**

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 Loyola University



Chicago (M161, Calculus I, 4 credits). TI 84 calculator required. *Prerequisite: Pre-Calculus Honors and department approval. AP exam is required.*

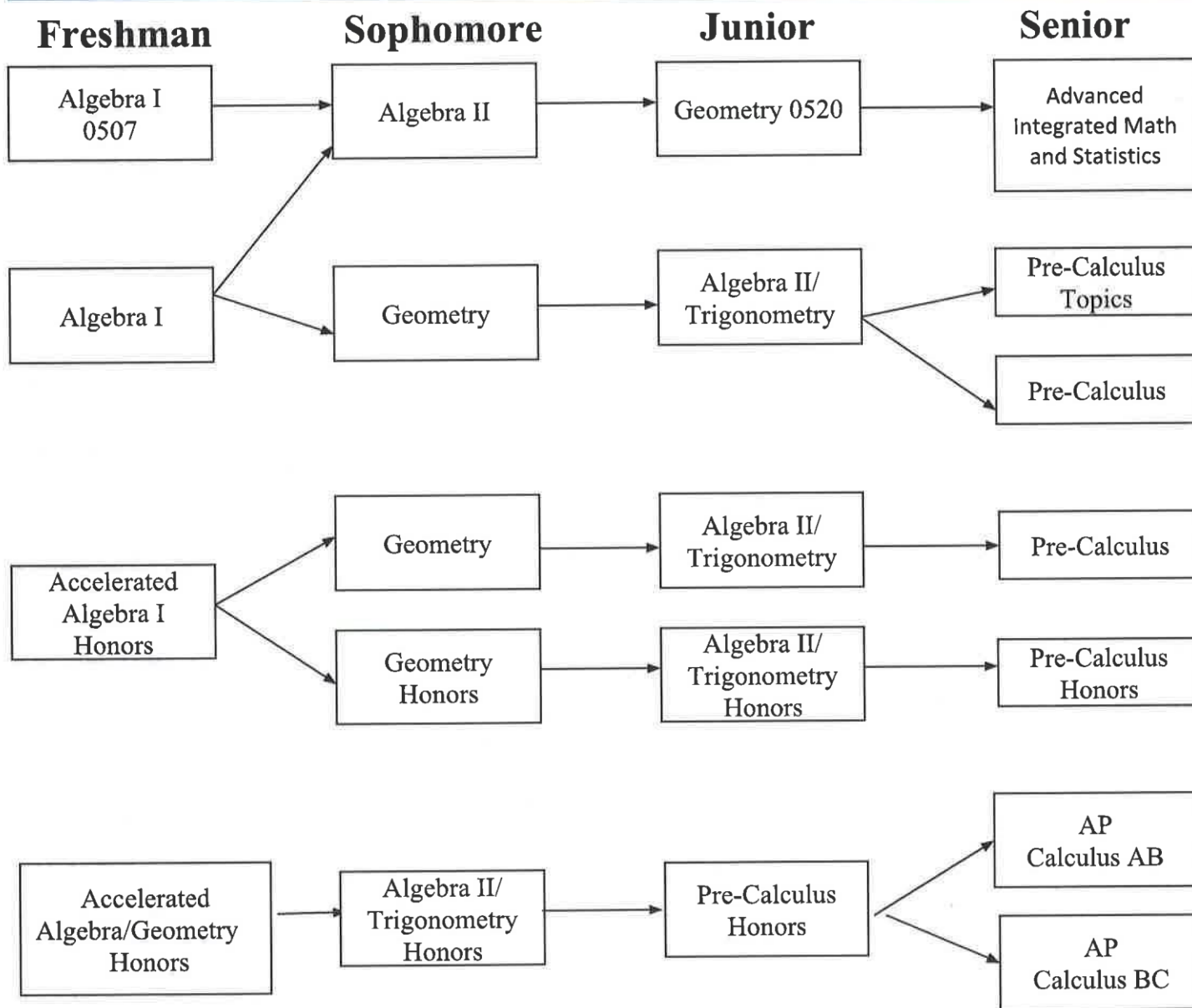
**0552 – AP Computer Science Principles: One Credit (10, 11, 12)**

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. This course can be used to fulfill the technology credit, but only earns a math credit. *AP exam is required. Prerequisite: Completion of Algebra I.*

**0553 – AP Statistics: One Credit (11, 12)**

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83/84 graphing calculator, Fathom, and Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. *Prerequisite: Algebra II/Trig with minimum of 85% both semesters. AP exam is required.*

# Saint Viator Mathematics Curriculum



## Electives

Advanced Placement Statistics  
Prerequisite: Alg II/Trig

C++ (Introduction to Computer Science using C++), .5 credit  
Prerequisite: Alg II/Trig (may be taken concurrently)

Intro to Stats, .5 credit

Advanced Placement Computer Science Principles

## 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 level-two Spanish course is only for freshmen who have completed the equivalent of a two-year sequence in junior high school. This course emphasizes 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, and to introduce students to Hispanic culture. *Prerequisite: Two years of junior-high-school Spanish, recommendation of the junior high school teacher and placement testing.*

### **0423 – Spanish II: 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 in order to help student achieve a greater proficiency in the language. Students will learn more vocabulary and grammatical structures in context, improve their basic composition skills and compare and contrast some social, historical and geographic features of the culture communities. 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: One Credit (10, 11)**

While deepening awareness and appreciation for the culture and history of the Spanish speaking world, this course further develops listening, speaking and writing skills. Students are expected to learn a variety of appropriate vocabulary and idiomatic expressions in order to initiate, maintain and interact in the language while expanding on more complex grammatical structures. Spanish is used extensively in the classroom with ample opportunity for student interchange. *Prerequisite: Completion of Spanish II or Accelerated Spanish II Honors with a minimum grade of 85% and recommendation of instructor.*

### **1424 – Accelerated Spanish IV Honors: One Credit (11, 12)**

This course helps refine students' proficiency and fluency in listening, speaking, reading and writing, while developing awareness and appreciation for both contemporary and historical aspects of Spain and Latin America. Students continue to learn and employ more complex structures in context to describe, explain, comment, elaborate and report on a variety of topics. They will read and discuss short works representative of peninsular Spain and Latin America. The course is taught exclusively in Spanish and students are expected to interact with peers in the target language. *Prerequisite: Completion of Accelerated Spanish III Honors with a minimum grade of 85% and recommendation of instructor.*

**0427 – AP Spanish Language and Culture: One Credit (12)**

AP Spanish Language and Culture is a college-level course that provides students with the opportunity to earn college-level credits prior to their high school graduation and/or advanced college placement.

*\*AP Spanish has been granted Dual Credit Program status by Loyola University Chicago. Students, who qualify for the program and successfully complete the requirements, are eligible to earn the equivalent of 3 credit hours for Spanish 103.* The course continues the development of the four language skills in preparation for the AP exam. It focuses on the three modes of communication (interpersonal, interpretive, and presentational) as defined in the *Standards for Foreign Language Learning in the 21<sup>st</sup> Century*. Cultural and historical aspects of the Hispanic world are interrelated into the language in a variety of contexts. *Prerequisite: Completion of Spanish III Honors or Spanish IV Honors and recommendation of instructor. 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.*

**0438 – 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 85% in French II and department approval.*

**0439 – 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 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. While increasing vocabulary in a variety of contexts and communicative strategies, it stresses more complex grammatical structures and addresses basic composition skills. Italian is used extensively in the classroom with ample opportunity for student interchange. *Prerequisite: A minimum grade of 80% in Italian I and department approval.*
- 0458 – Italian III Honors: One Credit** (10, 11, 12)  
 Italian III Honors continues to target advanced grammatical structures in communicative tasks. Emphasis is placed on vocabulary use, language control and cultural awareness. Italian is used extensively in the classroom. *Prerequisite: A minimum grade of 85% in Italian II and department approval.*
- 0459 – Italian IV Honors: One Credit** (11, 12)  
 Italian IV Honors continues to build the four skills of reading, writing, listening and speaking within a cultural context. The main objective of the course is to promote fluency through extensive communication strategies. This class is almost entirely taught in Italian. *Prerequisite: A minimum grade of 85% in Italian III Honors 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-level credits prior to their high school graduation and/or advanced college placement in Italian. *\*AP Italian has been granted Dual Credit Program status by Loyola University Chicago, Students, who qualify for the program and successfully complete the requirements, are eligible to earn the equivalent of 3 credit hours for Italian 104.* The course addresses language proficiency and cultural knowledge across the three modes of communication (interpersonal, interpretive, and presentational) as defined in the *Standards for Foreign Language Learning in the 21<sup>st</sup> Century*. The class is entirely taught in Italian and continues to build cognitive, analytical and communication skills in preparation for the AP exam. *Prerequisite: Completion of Italian IV Honors and 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.*
- 0488 – 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.*

**0489 – 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 and recommendation of instructor.*

**0485 – AP Mandarin Chinese and Culture: One Credit (12)**

AP Chinese Language and Culture is a college-level course that offers students the opportunity to earn college credit and or advanced college placement in Mandarin Chinese. As defined in the *Standards for Foreign Language Learning in the 21<sup>st</sup> Century*, the course focuses on the three modes of communication (interpersonal, interpretive, and presentational) and stresses contemporary and historical Chinese culture and society. *Prerequisite: Department approval. AP exam is required.*

## 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 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 Friday, January 27, 2017. 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.*

### **0818 – Advanced Physical Education (Boys): One-half Credit (11, 12)**

This is an advanced physical education class for students interested in achieving their highest level of health-related fitness. Those students who like to compete and excel to the next level will want to participate. All team and individual skills and games will be competitive. **Students grades will be held to a higher standard compared to the regular standards of PE III/IV.**

**0819 – Advanced Physical Education (Girls): One-half Credit (11, 12)**

This is an advanced physical education class for students interested in achieving their highest level of health-related fitness. Those students who like to compete and excel to the next level will want to participate. All team and individual skills and games will be competitive. **Students grades will be held to a higher standard compared to the regular standards of PE III/IV.**



## 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/or applicable documentation 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/or applicable documentation 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/or applicable documentation and recommendation of the Scanlan Center Placement Committee.*

### **0104 – Learning Strategies IV: One-half Credit per semester (12)**

This course is intended for senior 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 students who would benefit from additional support with academic class work. During their first semester of senior year, students would be provided structured accountability to ensure work completion and promote organization. Previously learned study skills and learning strategies are reinforced during instruction. Second semester placement in Learning Strategies IV will be based on teacher recommendation. *Prerequisite: Current educational diagnostic testing and/or applicable documentation and recommendation of the Scanlan Center Placement Committee.*

## SCIENCE

### **0711 – Biology Lab 0711: One Credit (9)**

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 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.

### **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 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. *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 – Chemistry Lab 0720: 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/Trigonometry 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. Hands on experimentation, as well as, computerized 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. *Prerequisite: Biology Lab and a physical science. Chemistry Lab is recommended but not required. Department approval.*

**0727 – AP Chemistry Lab: One Credit (12)**

The course is approximately equivalent to a first-year college chemistry course. Topics that were covered in the Chemistry Lab Honors course will be covered in greater depth. These would include structure, bonding, states of matter, reactions (type, stoichiometry, kinetics and equilibrium) and thermodynamics. Units in electrochemistry, 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 varied assessment such as tests, projects and laboratory work. The course meets for 1½ periods daily. Field trips enhance study. College credit may be earned through an arrangement with Loyola University (3 credits for General Biology 101 and 3 credits for General Biology 102) or by taking the Advanced Placement examination. *Prerequisite: Successful completion of Biology Lab Honors or Accelerated Biology Lab Honors or a minimum of 90% in Biology Lab 0712. Successful completion of Chemistry Lab Honors or a minimum of 90% in Chemistry Lab 0722 and department approval. 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.*

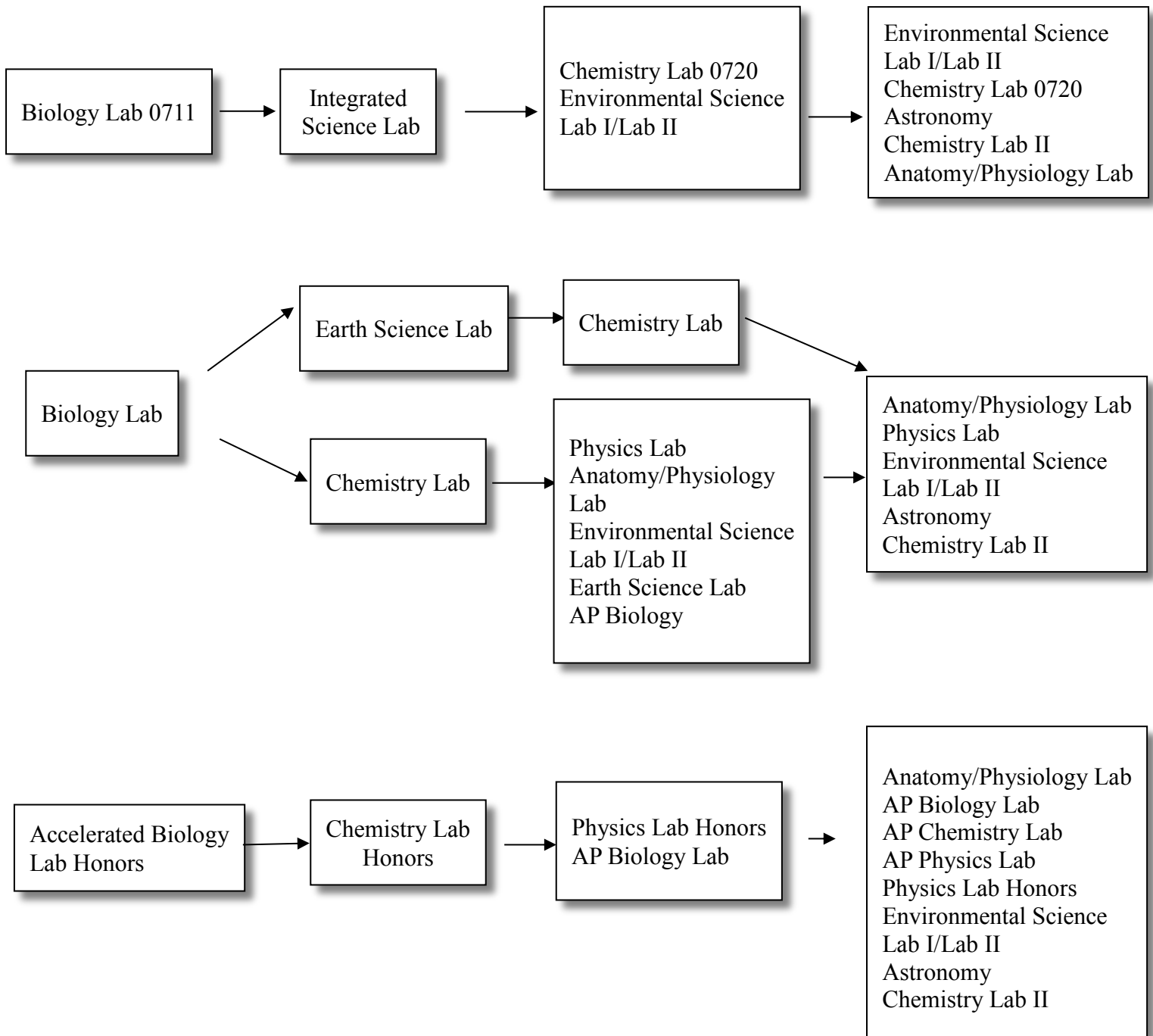
# Saint Viator Science Curriculum

**Freshman**

**Sophomore**

**Junior**

**Senior**



## SOCIAL STUDIES

**Students in the class of 2018 and 2019 are required to earn credits in Modern World History (1.0), United States History (1.0) and Social Studies Electives (1.0).**

**Beginning with the Class of 2020, students are required to earn credits in Modern World History (1.0), U.S. History (1.0), Civics (.50) and a Social Studies Elective (.50).**

### **Federal and State Constitution Tests Requirements**

Beginning with the Class of 2020, students are required to take and pass the Federal and State Constitution tests in the Civics course during their sophomore year. Students in the class of 2018 and 2019 were required to pass this independently.

### **0362 – Modern World History 0362: One Credit (9)**

It includes a 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 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: Placement exam.*

### **0365 – AP World History: One Credit (9)**

This year long course explores the expansive history of the human world from about 8500 B.C. to the present. Students will learn many facts, but also the critical thinking skills necessary to work with historical evidence. Historical thinking skills taught will include: crafting historical arguments from historical evidence, chronological reasoning, comparison and contextualization, and historical interpretations and synthesis. Five themes will be used as a frame of reference in the chronological study of the world's history; these themes are: Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Additionally, general study skills, time management, organization as well as skills of taking an AP Class, and how to take an AP exam, and specific essay writing skills will be stressed. A summer assignment is due on the first day of class. *Prerequisite: Department Approval. AP exam is required.*

**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.

**0315 – AP Human Geography: One Credit (10)**

This yearlong course in human geography is to introduce the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The course goals include: use of thinking about maps and spatial data, understanding and interpreting the implications of associations among phenomena in places, recognizing and interpreting different scales and the relationship among different patterns and processes, defining regions and evaluating the regionalization process, and characterizing and analyzing interconnections among places. The topics of study are: geography, population, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, and cities and urban land use. Additionally, general study skills, time management, organization will be taught as well as skills for taking an AP Class, how to take an AP exam, and specific essay skills will be stressed. *Prerequisite: Department Approval. AP exam is required.*

**0334 – Civics: One-half Credit (10)**

***This course is required for graduation and should be completed by the end of sophomore year.***

Civics is a semester-long course which investigates an overview of citizenship roles and responsibilities designed to help students become independent thinkers. Emphasis will be placed on becoming informed and engaged citizens. Topics of study include: (1) foundations of American government (2) United States and Illinois Constitutions (3) branches of government (4) civil liberties and civil rights (5) political parties and political participation (6) the electoral process. The course will include a ***required service component***, political simulations, and discussions on current and controversial issues. This class will fulfill the change of Illinois state law which requires students graduating in 2020 and beyond to complete a civics course. As part of the course, students must take and pass the United States Constitution and Illinois Constitution tests in order to receive credit.

**0395 – United States History: One Credit (11)**

This is a yearlong survey course covering the history of the country from the Colonial Era to the present. Emphasis is placed on the causes and effects of events in the history of our country while supporting them with basic vocabulary, facts, and dates, so that students will appreciate the role of religious, social, economic and political forces that shaped the development of the United States. Students will learn to utilize skills of: map reading, research, documentation, evaluation of sources, argument building, critical thinking, as well as refine study skills.

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

AP U.S. History is a one-year, college-level course that explores the history of the United States from the pre-Colombian era to the present day. Great emphasis will be on the content and development of historical thinking skills of the course in preparation for the AP U.S. History test in May. Historical thinking skills taught include: chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative.



Content learning objectives are organized around the seven themes in U.S. History: identity, work/exchange/technology, peopling, politics and power, America in the world, environment and geography, and ideas/beliefs/culture. Emphasis is placed on the continued development of skills in primary source analysis and writing especially short answer question, document-based question and long essay responses. Additionally, general study skills, time management, organization as well as skills of taking an AP class, and how to take an AP exam. College credit may also be earned through an arrangement with St. Mary's University of Minnesota. A summer assignment is required that is due the first day of class. *Prerequisite: Department Approval. AP exam is required.*

**0357 – Contemporary World Issues: One-half Credit (11, 12)**

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: History of the Middle East Conflict, Blood Diamonds, Child Soldiers, Immigration, Genocides of the 20<sup>th</sup> and 21<sup>st</sup> Century.

**0341 – Psychology: One-half Credit (11, 12)**

This semester long course is designed to provide students with a background and general understanding of the major areas of psychology. The class will focus on theoretical approaches to psychology, possible careers, research methods, the brain, motivation and emotion, consciousness, learning, memory, mental disorders and treatment. Students will actively engage in learning through participation in lectures, the analysis of a psychological experimentation, and group work.

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

This semester long course follows the development of societies through an awareness of how individuals and groups interact to form societies. Students will learn the processes of socialization, and understanding of culture and society, social stratification, deviance, and social institutions. Students will be expected to show mastery of material through essays, projects, research reports, discussions 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.

**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. 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.*



**DISTANCE LEARNING**  
**(VIRTUAL ACADEMY – ARCHDIOCESE OF CHICAGO)**

Saint Viator High School in an effort to offer personalized learning opportunities will offer five online courses for next year. None of these courses are part of our daily curriculum offerings and are being offered in an effort to provide for a student's individual interests. The program is offered through the Archdiocese of Chicago, but is administered by Keystone, a division of K12, Inc. It combines flexibility with academic rigor and individualized attention to offer courses accredited by Advanced Ed. **Registration for on-line courses will be August 15 to September 1.**

Keystone offers the following support features:

- An orientation course to help students learn the best ways to use the online learning environment
- Real-time phone support from a knowledgeable Student Services/teachers staff from 8:00 a.m. to 8:00 p.m. Eastern Time
- Access to an online library through Ebsco Host
- A special services team dedicated to the Archdiocese of Chicago

We encourage you to explore the Keystone program at <http://virtualacademy.archchicago.org/welcomefromsuperintendent.cfm>. Courses offered have been approved by Advanced Ed, but not NCAA. AP courses have been authorized by College Board.

These seven courses are the only courses available to our grade 11 and 12 students for the 2016-2017 school year; this means these are the only courses that will be displayed on the transcript.

- Students must be approved by their counselor to enroll in the class; parents are responsible for the additional cost of the class paid directly to the Keystone Company
- Class will not count toward graduation credits nor receive credit from Saint Viator High School; enrollment in the class will be noted on the transcript and identified with a Pass/Fail. All courses must be completed by April 30 in order to have it appear on the transcript.
- AP Exams will be administered in May at an additional cost to students; students who do not take the AP test will not have the class listed on their transcript
- Seniors would still be required to enroll in 5.5 classes; all other students would be required to enroll in 6.0 credits
- Students must be able to complete their work independently; no help will be provided by teachers at Saint Viator High School

**HOW TO SIGN-UP FOR THE VIRTUAL ACADEMY**

- 1) Meet with your counselor to discuss enrolling in an online course, take the permission form home for a parent signature
- 2) Return the permission form to the counselor for approval
- 3) Once the student receives the counselor approval, the parent goes to the website listed below to register and pay for the class at <http://virtualacademy.archchicago.org/explore.cfm/admissions/howtoenroll/?s=1002174>
- 4) The student returns a copy of the enrollment form to their counselor

## **AP PSYCHOLOGY**

This course is a survey of psychology that introduces students to the major topics of the field, the terminology and methodology of psychology, and the historical and current understanding of human behavior and thought-processes. Students learn to analyze human experiences like psychologists do and to apply what they have learned to the world around them. The focus of the course is to prepare students to take the Advanced Placement Psychology course administered by the College Board in the spring of each year.

Half Credit (0.5 Credit) TBD

## **AP ART HISTORY**

This course is designed to foster in students an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. In addition to visual analysis, this course emphasizes understanding works in context by considering such issues as patronage, gender and the functions and effects of works of art. Prior art training is not a prerequisite nor does the course cater exclusively to future Art History majors.

Full Year (1Credit) TBD

## **GAME DESIGN**

This course will introduce students to the basic skills necessary for game design. They will study the various games in the industry and analyze their approach in terms design and development. The student will explore the processes and art of making game elements like story, levels, sound, user interfaces, and levels. This analysis will include an orientation to the gaming market and innovative techniques' impact on it. Finally, the student will merge all these elements into a functional prototype showing their understanding of the game design process.

Half Credit (0.5 Credit) TBD

## **MARKETING**

Marketing allows students to discover customer wants and needs and to gain a solid understanding of creating, advertising, and selling products. This course covers all aspects of marketing from basic economics to employment in the marketing field. Students will learn how marketing affects many aspects of life and how they will benefit from understanding it.

Full Year (1 Credit) TBD

Part 1 (0.5 Credit) TBD

Part 2 (0.5 Credit) TBD

## **PROGRAMMING – VISUAL BASIC.NET AND JAVA**

The first half of this course presents basic programming and teaches the essential concepts of VisualBasic.net (VB.NET). As an introduction to VB.NET, students will see the basic uses of the programming language, its similarities to the English language (and others), and its flexibility as a programming language. The course helps participants understand the processes involved in software development and object-oriented programming. This is an introductory course that could lead to careers such as software engineer, developer, or game designer. The course participants will also complete a series of hands-on projects covering built in data types, operators, control structures, classes, and objects.

Full Year (1 Credit) TBD

Part 1 (0.5 Credit) TBD

Part 2 (0.5 Credit) TBD

## **PRINCIPLES OF ENGINEERING**

**Available to:** Sophomores, Juniors and Seniors

**Course Listing:** Engineering, Science

This course takes students on a “doing” Tour of the discipline of engineering and several of its sub-disciplines including mechanical engineering, electrical engineering and computer engineering. Students will learn the engineering design process and computer aided design and apply it to “hands-on” projects.

Fall semester course (0.5 credit)