



*Lead with Heart.™*

## **CURRICULUM GUIDE**

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**SHA DIPLOMA REQUIREMENTS WITH REGENTS ENDORSEMENT**

Minimum of 30 credits is required  
4 years of 20 hours of Community Service each year  
Completion of Term Paper in junior year and a passing grade

Theology	4 credits
*English	4
*Social Studies	4
*World Language	4
French, Italian, Spanish	
*Mathematics	4
*Science	4
**The Arts	1
Physical Education / Dance	2 (4 years)
Health	½
Computer	1½

\*Regents Exams (where applicable)/CheckPoint B Exam is required and 4 credits required for graduation.  
\*\*Students who choose Art or Music as major must complete at least 3 full credits.

In order to receive a Sacred Heart Academy Diploma, a student must earn the number of credits indicated above. Electives bring total to a minimum of 30 credits.

According to the New York State Department of Education, any student who entered 9<sup>th</sup> grade after September 2001 will be eligible to receive an Advanced Regents Diploma upon successful completion of the World Languages Checkpoint B Course Exam and Algebra 2 Common Core Regents.

**MINIMUM REQUIREMENTS FOR New York STATE REGENTS DIPLOMA:  
For students entering after September 2001**

English – 4 credits	Social Studies – 4 credits	Mathematics – 3 credits
Science – 2 credits	The Arts – 1 credit	Second Languages – 1 credit
Health – ½ credit	Sequence +	Physical Education – 2 credits
Electives – 3.5 credits (4.5 credits for an Advanced Diploma Including 1½ credits for Computer)		

Total minimum credits – 21 credits

Regents Exams, Core credits and Sequences as required by New York State Department of Education must be fulfilled by all students.

**SUBJECT TO CHANGE**

## SACRED HEART ACADEMY HONOR ROLL

The HONOR ROLL is published at the end of quarter. It is based on the average computed for all major courses in which the student is enrolled. Seniors must carry Theology, English, Mathematics, Science, Social Studies and at least 2 major electives. Students who are absent in excess of 10 days per year are ineligible for Honor Rolls. If this number is exceeded, the student may be not only in danger of failing a course but also in danger of not being inducted into the National Honor Society and/or losing National Honor Society status, Honor Classes for the following year, and participation in activities, clubs, teams, and school events.

<b>Principal's List</b>	Average 100 – 95%	<b>First Honors</b>	Average 94 – 90%
<b>End of Year</b>	No final grade in a major subject below 90%	<b>End of Year</b>	No final grade in a major subject below 85%
<b>Second Honors</b>	Average 89 – 85%		
<b>End of Year</b>	No final grade in a major subject below 75%		

**HONOR COURSES:** As an incentive for accomplishing more challenging assignments, the grade for an honors course will be obtained by multiplying the final mark by 1.1. **Any student in an honors class whose overall average for the school year is a failing grade will not receive a 1.1 in June for that course.** Freshmen placement into an honors level course is available only in Social Studies, English and Living Environment. Placement is based on the scores received on the Catholic High School Examination/TACHS Examination results and/or placement tests. Students are selected for honors placement in other area after freshmen year.

**HONOR SOCIETIES:** Students are admitted to honor societies for each discipline according to the individual society's requirements.

**NATIONAL HONOR SOCIETY:** Membership is awarded on the basis of National norms. Junior overall average must be a 90 unweighted average with no failing midterm, Regents or quarter grades. Calculations will include freshman grades, sophomore grades and junior 1<sup>st</sup>, 2<sup>nd</sup>, 3rd quarter grades and mid-term exam grades. All candidates are expected to attend the Induction Ceremony. Effective 2017-2018, seniors will no longer be invited in to NHS. The requirements for continuation of membership in the National Honor Society are as follows:

- 1) Member must maintain a cumulative average of 90.
- 2) Member must be involved in a service programs.
- 3) Member must adhere to all school regulations.
- 4) Member must embody the values as stated by the National Honor Society.

If any of the above criteria are not met, the student's membership will be in jeopardy.

### GRADUATION

At the time of graduation, the honor of Valedictorian and Salutatorian will be awarded to a student who has been enrolled at Sacred Heart Academy for four full years. (Valediction and Salutatorian is based on the student's weighted GPA for the first 3 years plus the 1<sup>st</sup> 3 quarters and midterm grades of senior year.)

Academic Excellence Medals, which are awarded by each department, may be earned by students who have been enrolled at Sacred Heart Academy for four years.

Any student who meets the academic requirements for any other graduation medal or honor will be eligible for those honors regardless of the number of years that she is enrolled at Sacred Heart.

Outside community service is a graduation requirement for all students enrolled at Sacred Heart Academy and the completion and passing of term paper in the student's junior year.

### REGENTS

If a student passes a Regents Exam, she may opt to take the exam again a maximum of 2 times. If she scores higher on the second try, that mark will appear on her transcript. However, it will not be calculated for any academic averages, awards or honors. The original passing mark will be the grade used for any and all academic purposes.

### REGENTS - SHA CREDIT

In order for a student to receive credit for a Regents Course, she must pass not only the Regents Exam but also the course itself. The overall average of the six marks for that subject for the year must be at least 65%. If student does not pass the course, she must go to summer school. If the course is not offered, tutoring is strongly recommended in that subject and take a final examination in that subject at Sacred Heart Academy during Regents week in June. A student may not change her summer school institution to a different location as stipulated in her contract. A student who fails a Regents Exam required for graduation must retake the exam at the next available test date and will be on academic probation until the next administration. A student may only take a Regents examination in a subject two times. The student must pass the exam in order to return to Sacred Heart Academy or to remain at Sacred Heart Academy.

### SHA COURSE CREDIT

The last Tuesday in August is the Testing Date for students who **have failed a non-regents course** and need to take a Sacred Heart Final Examination in order to earn Sacred Heart credit and to return as a student at SHA.

### HONORS AT GRADUATION

The Faculty in each department recommends to the Principal the most outstanding students eligible for a medal according to the following criteria:

ART – Skills plus completion of the senior course of study

COMPUTER – Two years of study and demonstration of leadership and service within the department.

DANCE – Four years of study in dance and demonstrates a positive towards the success of the dance department.

ENGLISH – Four years of study including Advanced Placement English Language and Composition, Advanced Placement English Literature and Composition, and membership in at least one communication activity in high school

FRENCH – Four years of study and must be in French 5

ITALIAN – Four years of study and must be in Advanced Placement Italian

SPANISH – Four years of study including Advanced Placement Spanish

MATHEMATICS – Four years of study and membership for at least two years on the Math Team

MUSIC – Four years of study and membership in at least one performing group throughout high school

PERFECT ATTENDANCE – Will be awarded to any senior who has never been absent throughout her 4 years of high school

PHYSICAL EDUCATION – Four years of PE classes and contributes to overall positive tone of PE department.

SCIENCE – Four years of science courses at Sacred Heart Academy; must take AP Biology, AP Chemistry, or AP Physics

SOCIAL STUDIES – Four years of Social Studies courses including AP American History and AP Global History

THEOLOGY – Four years of Theology courses and participated in a school sponsored service activity

Grades include the last marking period before graduation for ALL departmental medals.

**(Transfer student information regarding academic requirements can be found in the Parent/Student Handbook).**

# Possible Pathways and Options for Specific Interests

## ○ ***Allied Health Pathway***

- Anatomy/Physiology/Nutrition
- Physics (as a junior or senior)

### Additional Electives:

- Bioethics
- Human Biology
- AP Psychology

## ***Business Pathway***

- Accounting
- AP Computer Science
- Economics (Bloomberg)
- Pre-Calculus/Calculus/AP Calculus
- World Languages

## ***Humanities Pathway***

- AP Literature
- Art/Music
- Gender Studies
- Hitchcock Studies
- AP Psychology
- World Languages

## ***Medical Pathway***

- AP Biology or AP Chemistry  
AP Physics or  
AP Environmental Science
- Pre-calculus/Calculus/AP Calculus

### Additional Electives:

- Anatomy/Physiology/Nutrition
- Bioethics
- AP Psychology
- Science Research
- World Languages

**PROJECTED PROGRAMS FOR SACRED HEART ACADEMY STUDENTS**

<b>FRESHMAN YEAR</b>	<b>SOPHOMORE YEAR</b>	<b>JUNIOR YEAR</b>	<b>SENIOR YEAR</b>
<b>THEOLOGY</b>	<b>THEOLOGY</b>	<b>THEOLOGY</b>	<b>THEOLOGY</b>
<b>ENGLISH COMMON CORE</b>	<b>ENGLISH COMMON CORE</b>	<b>ENGLISH COMMON CORE</b>	<b>ENGLISH</b>
<b>MATHEMATICS</b> ALGEBRA COMMON CORE GEOMETRY COMMON CORE**	<b>MATHEMATICS</b> GEOMETRY COMMON CORE COMMON CORE ALGEBRA 2	<b>MATHEMATICS</b> COMMON CORE ALGEBRA 2 Pre-Calculus	<b>MATHEMATICS</b> Advanced Algebra Pre-Calculus/Calculus AP Calculus
<b>SCIENCE</b> LIVING ENVIRONMENT LIVING ENVIRONMENT H CHEMISTRY***	<b>SCIENCE</b> CHEMISTRY CHEMISTRY H HEALTH	<b>SCIENCE</b> PHYSICS AP Physics AP Environmental Science	<b>SCIENCE</b> HUMAN BIOLOGY ANATOMY/PHYSIOLOGY/NUTRITION AP SCIENCES
<b>SOCIAL STUDIES</b> GLOBAL I AP World History I	<b>SOCIAL STUDIES</b> GLOBAL II AP World History II	<b>SOCIAL STUDIES</b> AMERICAN HISTORY	<b>Social Studies</b> ECONOMICS-GOV'T
<b>WORLD LANGUAGES*</b> (FRENCH, SPANISH, ITALIAN)	<b>WORLD LANGUAGES</b> (FRENCH, SPANISH, ITALIAN)	<b>WORLD LANGUAGES</b> (FRENCH, SPANISH, ITALIAN)	<b>WORLD LANGUAGES</b> French 4/French 4H/French 5 Italian 4/AP Italian Lang. & Culture Spanish 4/Spanish 4H AP Spanish Language and Culture Intro to Spanish Literature Foreign Films
<b>THE ARTS</b>	<b>THE ARTS</b>	<b>THE ARTS</b>	<b>ELECTIVES FROM</b>
ART/MUSIC COMBINATION OR ART MAJOR OR MUSIC MAJOR	ART/MUSIC COMBINATION OR ART MAJOR OR MUSIC MAJOR	ART MAJOR OR MUSIC MAJOR	ACCOUNTING BIOETHICS COMPUTER AP COMPUTER AP PSYCHOLOGY STATISTICS THE ARTS
<b>PERFORMANCE</b>	<b>PERFORMANCE</b>	<b>PERFORMANCE</b>	<b>PERFORMANCE</b>
CHORUS INSTRUMENTAL ENSEMBLE	CHORUS INSTRUMENTAL ENSEMBLE	CHORUS INSTRUMENTAL ENSEMBLE	CHORUS INSTRUMENTAL ENSEMBLE
<b>COMMUNICATIONS</b> LATIN ROOT DERIVATIVES	OPPORTUNITY FOR COLLEGE CREDIT	OPPORTUNITY FOR COLLEGE CREDIT	OPPORTUNITY FOR COLLEGE CREDIT
<b>SCIENCE RESEARCH</b> <b>PHYSICAL EDUCATION</b> OR <b>DANCE</b> <b>COMPUTER</b>	<b>SCIENCE RESEARCH</b> <b>PHYSICAL EDUCATION</b> OR <b>DANCE</b>	<b>SCIENCE RESEARCH</b> <b>PHYSICAL EDUCATION</b> OR <b>DANCE</b> <b>COMPUTER</b>	<b>SCIENCE RESEARCH</b> <b>PHYSICAL EDUCATION</b> OR <b>DANCE</b>

\*FRESHMAN YEAR: SECOND LANGUAGE: FRESHMEN MUST HAVE AT LEAST AN 85% AVERAGE IN PRESENT LEVEL 1 LANGUAGE COURSE, SATISFIED SEAT TIME AS PRESCRIBED BY NYS and RECEIVED (1) NYS CREDIT FOR LEVEL 1.

\*\*FRESHMAN YEAR: GEOMETRY COMMON CORE (9) MAY BE TAKEN ONLY IF STUDENT HAS TAKEN COMMON CORE ALGEBRA COURSE IN 8TH GRADE, HAS A 70% AVERAGE AND 70% ON COMMON CORE ALGEBRA REGENTS IN JUNE.

\*\*\*FRESHMAN YEAR: CHEMISTRY MAY BE TAKEN ONLY IF STUDENT HAS TAKEN LIVING ENVIRONMENT REGENTS COURSE IN 8TH GRADE, HAS A 70% AVERAGE AND PASSED THE LIVING ENVIRONMENT REGENTS IN JUNE.

\*\*\*\*TRANSFER STUDENTS MAY NEED TO TAKE PLACEMENT EXAMS AND /OR BE EVALUATED BY THE CHAIRPERSON OF EACH DEPARTMENT BEFORE A STUDENT'S PROGRAM CAN BE FINALIZED.

\*\*\*\*\* GRADE RECEIVED ON REGENTS TAKEN IN 7TH AND/OR 8TH GRADE WILL BE NOTED ON THE STUDENT'S TRANSCRIPT BUT NOT INCLUDED IN OVERALL GPA.

## COLLEGE CREDIT AT SACRED HEART - 2017-2018

**\*Please note that for courses which grant college credit for both the Fall and Spring semesters, a student needs to register in the fall in order to re-register for the spring, except for credits with Molloy College, when all courses need to be registered between December and January which is their only Registration Period.**

Sacred Heart Academy is connected to the St. John's University Extension Program and to the Long Island High School Program of Adelphi University, the High School Program at Molloy College and the High School Program at St. Joseph's College. This enables the academy to offer optional college credit for an extra fee at the same time a student is earning high school credit for her SHA diploma. Transfer of the credit may be sought at other colleges according to the procedures of the admitting college/university.

### **Adelphi University Requirements:**

**Cost:** 18-19 – Cost to be determined in Fall 2018  
**Registration:** On-line in September and February (Information on SHA website in Fall 2018).

### **Molloy College Requirements:**

**Cost:** 18-19 – Cost to be determined in Fall 2018  
**Registration:** Through Molloy in December – March ONLY for **BOTH** Fall and Spring Registration\_(Information on SHA website in Fall 2018)

### **St. John's University Requirements:**

**Cost:** 18-19 – Cost to be determined in Fall of 2018  
**Registration:** In 17-18, on-line in September and again in February (Information on SHA website in Fall 2018)

### **St. Joseph College Requirements:**

**Cost:** 18-19 – Cost to be determined in Fall of 2018-  
**Registration:** In 18-19, paper application through SHA Guidance Department in September

### **.SHA COURSE**

### **COLLEGE AFFILIATION**

#### **Art**

SJC – Graphic Design (3 cr. Fall ONLY)

#### **English**

Literature in a Global Context/American Lit  
 Literature in a Global Context/British Lit

SJU – ENG 1100C/ENG 2060 (3 cr. Fall + 3 cr. Spring)  
 SJU – ENG 1100C/ENG 2210 (3 cr. Fall + 3 cr. Spring)

#### **World Languages**

Spanish 4 H  
 French 4H

Adelphi – Spa 122/251 (3 cr. Spring)  
 Adelphi – Fre 121/122 (3 cr. Fall + 2 cr. Spring)

#### **Mathematics**

Pre-Calculus; Pre-Calculus Honors  
 Calculus; Advanced Placement Calculus

Molloy – Mat 118 (3 cr. Spring) Register in Dec. - Jan with Molloy on-line.  
 Molloy - Mat 221 (4 cr. Spring) Register in Dec. - Jan with Molloy on-line.

#### **Music**

Music Theory 10H  
  
 Advanced Music Theory 11H  
  
 History of Music/Musical Theatre  
 The Symphony

Molloy – Mus 101 (2 cr. Fall) Register in Dec. - Jan with Molloy on-line.  
 Mus 102 (2 cr. Spring) Register in Dec. - Jan with Molloy on-line.  
 Molloy – Mus 204 (2 cr. Fall) Register in Dec. - Jan with Molloy on-line.  
 Mus 206 (2 cr. Spring) Register in Dec. - Jan with Molloy on-line.  
 SJU – History of Music & Music Theatre 1010 (3cr. Fall)  
 Music 1060 (3 cr. Spring)

#### **Science**

Advanced Placement Biology

Adelphi – Bio 127, 128 Intro to Bio (4 cr. Fall + 4 cr. Spring)  
 SJU – Bio 1210/Lab 1211/1220/1221L (4 cr. Fall + 4 cr. Spring)\*Seniors Only

#### **Social Studies**

Advanced Placement US History

Molloy – His 111/His 112 (3 cr. Fall + 3 cr. Spring)

### **ADVANCED PLACEMENT EXAMINATION PROGRAM**

College Board Exams taken in May at Sacred Heart Academy with registration occurring in March via Sacred Heart Academy may be submitted to the admitting college in July by student from AP College Board and the college will grant credit based on its own policies.

#### **ADVANCED PLACEMENT**

Advanced Placement Calculus AB  
Advanced Placement Computer Science  
Advanced Placement Biology  
Advanced Placement Chemistry  
Advanced Placement Environ Sci  
Advanced Placement Physics 1  
Advanced Placement Psychology  
Advanced Placement Music Theory

Advanced Placement English Language and Composition  
Advanced Placement English Literature and Composition  
Advanced Placement World History  
Advanced Placement American History  
Advanced Placement Italian Language and Culture  
Advanced Placement Spanish Language and Culture  
Advanced Placement Computer Science  
Advanced Placement Art Portfolio – is available for students who are planning on majoring in an Art field.

**N.B. Students in AP classes register for the Exams in March of the academic year through a SHA Guidance Department mailing. All students in an AP Course must take the AP Exam in May. The AP Exam is a requirement of the course and must be taken in order to receive course credit. Any student who fails to do so will lose the 1.1 factor of the Honors Course at the end of the year and the student's transcript will be altered to reflect these changes in the name of the course(s) and with regard to the GPA.**



## **Courses Subject to Change**

### **Policy for Admission to Honors Classes**

**Beginning in September 2016**, students at Sacred Heart Academy are admitted into Honors Courses in the following ways:

- Incoming 9<sup>th</sup> Graders who have achieved a designated score on the Catholic High School Entrance Exam (CHSEE) or (TACHS) are eligible for Literature Genre 9 Honors and AP World History I. Living Environment 9 Honors and Science Research Program will be based on a placement test offered to students who achieved a designated score on the Catholic High School Entrance Exam (CHSEE) or (TACHS).
- Current students seeking placement in Honors Courses must achieve the specific **average** designated by the Department and any other qualifications that are unique to that department (see individual Department requirements listed in this book.)

***N.B. The 1.1 honors weighting is not used for honors placement for any course in any department.***

#### **GUIDANCE**

The Guidance Department addresses the areas of academic counseling, college selection and career choice. They work closely with the Administration and Deans to enhance communication between the students, teachers, and parents/guardians. Each School Counselor achieves personal contact with her students by individual interviews and small group discussions.

In addition our Social Worker is available to assist students and their parents/guardians in a confidential manner when additional support is needed with personal, emotional and social issues.

In conjunction with Administration and Department Chairpersons, our students are prepared for standardized testing (Mid-Term, Regents, Final Exams, ASPIRE, PSAT, SAT I II, ACT, and AP Exams.).

The Guidance Department, with the support and assistance of the Administration, is also responsible for certain Assembly Programs, Academic Awards Night, National Honor Society Induction Ceremony, and Special Events including: The College Fair, Parent/Teacher Conference Days, Parent and Teacher Conferences throughout the year, Financial Aid Night, senior Luncheon, Graduation Ceremony and Summer School Registration. In addition, the Guidance Department is responsible for administering Standardized tests and proctoring tests and examinations for students with special needs.

#### **THEOLOGY**

- 101 Theology 9 - Hebrew and Christian Scriptures 1 credit**  
Freshman Theology presents a prayerful introduction to Sacred Scripture and Sacred Tradition. This full-year course explores the Old and New Testaments as well as the foundations of scriptural interpretation. We will focus on Jesus' life, mission, and message in addition to an overview of the Liturgy, Sacraments, and the Church.
- 102 Theology 10 – Growth in Sacramental Faith and Morality 1 credit**  
Sophomore Theology explores how the Sacraments connect us more deeply to Christ, the Church and God's creation. The intent is to immerse students in a Sacramental way of seeing and show how Sacramental living is a basis of morality. Classes delve into the meaning and practice of Baptism, Confirmation, Eucharist and Reconciliation and the foundations of Catholic morality: Jesus, the Church, Conscience, Grace and moral decision making.

- 103 Theology 11 - The Catholic Church - Journey, Wisdom and Mission 1 credit**  
 Having spent a full year on the personal growth and development of the students, this third year challenges them to look at the past history of the church as seen through the eyes of persons of different times and places who also responded to the Gospel message of Jesus. This course will highlight the lives of important women in Church history including Priscilla from Acts, Julian of Norwich, and Hildegard of Bingen. This broader perspective will enable them to see that each era is affected by major events of that time, as well as the culture in which one lives, and one's geographical location. By the end of the junior year, students will have satisfied the academic requirements for the Diocese of Rockville Centre's Basic Theology Certificate.
- 104 Theology 12 – Catholic Social Teaching 1 credit**  
 The fourth year course encompasses the essentials of Catholic Social teaching and what it means to live the Christian life. It challenges the students to formulate a commitment that will be the foundation of their life in faith. In order to assist the students through this process, current issues in the community and the world are examined in light of Scripture and Church documents such as, *Pacem in Terris* and the *Seven Principles of Catholic Social Teaching*. In the course of the year, students will explore the spirituality of Jean Donovan, Dorothy Day, S. Helen Prejean, and other women who have dedicated their lives to social justice issues. To further emphasize what it means to be a Christian in the world today.

#### THEOLOGY SENIOR ELECTIVES

- 116 Bioethics: A Catholic Perspective 1 credit**  
 Bioethics is the study of ethical issues in biology and medicine. This course will provide an introduction to the ethical positions used in assessing various issues in the field of bioethics. The methodology used in grounding these positions will be explored. Issues pertaining to reproduction, stem cell research, genetic manipulation, and end of life issues will be discussed. For example, is it right or wrong to conduct stem cell research? Is it right or wrong to genetically design a human being? A Catholic perspective will provide the context for answering these kinds of questions. Case studies will be used to illustrate the issues we examine. Instructor approval required.

#### ENGLISH

- 231 Literary Genre Common Core 9 1 credit**  
 Genre study for freshmen includes various forms: short story, poetry, drama, novel, and essay. A study of Shakespeare introduces the elements of Shakespearean drama. The study of the basics of grammar is intended to give the students the fundamentals of good writing and correct speech. Special emphasis is placed on the writing process and the introduction of research skills for term paper writing. Regents' skills are introduced. Vocabulary development is stressed in this course. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 234 Literary Genre Common Core Honors 9 1 credit**  
 This course parallels that offered to all ninth grade students. The honors student is expected to read more extensively and critically, to participate orally, and to write more frequently with polish and style. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 232 American Literature Common Core 10 1 credit**  
 The study of American literature traces the literary development from the early Puritan settlers to contemporary writers. The novel, the short story, poetry, drama, and the essay are assessed for their unique qualities. Writing assignments build on the essay skills developed in the ninth year along with the continuation of research skills for term paper work. Review of the fundamentals of grammar is included and instruction of more sophisticated grammatical constructs is continued. Vocabulary study is emphasized and supplementary reading of major canonical works is required. Regents' skills are further developed in anticipation of the New York State Regents Common Core English Examination in junior year. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.

- 235 American Literature Common Core Honors 10 1 credit**  
 This course parallels that offered to all tenth grade students. The honors student is expected to read more extensively and more critically, to participate orally, and to write more frequently with polish and style. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.  
**Prerequisites:** To be considered for American Literature Common Core Honors, a student in Literary Genre Common Core 9 must achieve a 95% average for the year and pass both the midterm and final examinations. To be considered for American Literature Common Core Honors, a student in Literary Genre Common Core 9 Honors must achieve a 90% average for the year and pass both the midterm and final examinations.
- 233 British Literature Common Core 11 1 credit**  
 This course is a humanistic approach to English literature from Anglo-Saxon times to the present. It includes the study of significant works, development of styles, cultural trends, and literary terms. A study of Shakespeare is included. The course also includes SAT/Regents preparation, essay writing, reinforcing of the formation of the literary and the creative essay, discussion of literature and the completion of a research paper. The New York State Regents Common Core Examination will be administered in June. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum. **The research paper grade will take the place of the final exam. A student cannot enter her senior year at Sacred Heart Academy if she has not completed and received a passing grade on her research paper.**
- 216 AP English Language and Composition Common Core 11 1 credit**  
 This course prepares the student for the Advanced Placement examination in English Language and Composition in addition to focusing on major canonical works of British literature. It will focus on rhetorical strategies employed in significant prose, touch upon the poetry and drama of each literary period, and include specific study of non-fiction and analytic and persuasive essay-writing on non-literary topics. The New York State Regents Common Core English will be administered in June. **The research paper grade will take the place of the final exam. A student cannot enter her senior year at Sacred Heart Academy if she has not completed and received a passing grade on her research paper. The Advanced Placement examination is a requirement for the successful completion of this course.**  
**Prerequisites:** To be considered for AP Language and Composition, a student in American Literature Common Core 10 must achieve a 95% average for the year and pass both the midterm and final examinations. To be considered for AP Language and Composition/British Literature Common Core, a student in American Literature Common Core 10 Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 215 AP English Literature and Composition 12 1 credit**  
 This course is a survey of the world's great literary masterpieces. Selections are studied in the light of literary developments, syntax, diction, theme, and tone. Written work stresses the critical examination of works of representative authors. The Advanced Placement examination is a requirement for the successful completion of this course. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.  
**Prerequisites:** To be considered for AP English Literature and Composition/World Literature, a student in British Literature Common Core 11 must achieve a 95% average for the year and pass both the midterm and final examinations. To be considered for AP English Literature and Composition/World Literature, a student in AP Language and Composition/British Literature Common Core must achieve a 90% average for the year and pass both the midterm and final examinations.
- 227 Poetry 12 (Must be taken with 229 Speech 12) ½ credit**  
 This course aims to nurture the student's comfort with and mastery of poetic form, with an emphasis on the composition and analysis of both published contemporary and student-generated original verse. A research paper requirement accompanies this course. This course must be taken in conjunction with Speech as both courses explore the inter-textuality of alternative genres. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 222 Hitchcock Studies 12 1 credit**  
 This course draws attention to the genius of filmmaker, Alfred Hitchcock, and the visual art of cinematography through the viewing of his films in conjunction with in-depth oral and written analysis of literary texts. A research paper requirement accompanies this course. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.

- 229 Speech (12) (Must be taken with 227 Poetry 12) ½ credit**  
 This course introduces students to a new medium of language – the speech. Students outline, evaluate, and research speeches in preparation for writing and presenting their own speeches. Part of the presentation process involves articulating language clearly and using the appropriate gestures in order to convey message. This course offers both the history and the importance of past and present speeches. It affords students the opportunity to effectively present speeches in a supportive, encouraging environment where students feel safe while presenting in front of an audience. Through this course of study, effective public speaking skills are achieved via the study of the art of public speaking, the practice of voice control and gesture, and the formation of a connection to and a relationship with an audience. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 225 Shakespeare/Advanced British Literature - Honors - Level 12 1 credit**  
 This college level course, accredited by St. John's University, centers around readings in Shakespearean comedies, tragedies, histories, and the sonnets. Its accent is on writing: research, interpretations, critical analysis. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.  
**Prerequisites:** To be considered for Shakespeare Honors, students in British Literature Common Core must achieve a 92% average for the year and pass both the midterm and final examinations and students in AP English Language and Composition/British Literature Common Core must achieve a 90% average for the year and pass both the midterm and final examinations.
- 226 Gender Studies/Advanced American Literature – Honors – Level 12 1 credit**  
 This college level course, accredited through St. John's University, is a concentrated overview of works of American, British and World literature in the context of gender specification. Focus is placed on the impact of the author's gender on the portrayal and relevance of his or her characters as well as on the nature of the gender roles assigned to respective characters in respective cultures and historical eras. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.  
**Prerequisites:** To be considered for Gender Studies Honors, students in British Literature Common Core must achieve a 92% average for the year and pass both the midterm and final examinations and students in AP English Language and Composition/British Literature must achieve a 90% average for the year and pass both the midterm and final examinations.
- 204 Selected Topics in Literature 12 1 credit**  
 This college preparatory course stresses a strong core of critical reading and writing. Texts to be studied are from a range of works written by canonical writers to contemporary authors. All genres are addressed. Students are encouraged to develop their writing style through critical analysis papers and creative responses to literature. Summer reading of 3-5 works is assigned, serving as an integral prelude to the ensuing year's curriculum.
- 240 Public Speaking ½ credit**  
 This half-school year introduction will provide instruction on the preparation and techniques of public speaking. All juniors are required to take this course.

## MATHEMATICS

- 360 Algebra Common Core 9 1 credit**  
 This is the first course of the New York State Regents Mathematics program which is Algebra Common Core. Topics include equations, inequalities, polynomials, functions, geometric figures, graphing, and data analysis. Student will take the NY State Regents in Common Core Algebra at the end of the year.  
**Prerequisites:** Successful completion of Math 8.
- 359 Geometry Common Core 9 1 credit**  
 (For Freshman who have completed Algebra Common Core in Gr. 8)  
 This is the second course of the New York State Regents Mathematics program. Topics include geometric relationships, constructions, locus, informal and formal proofs, and transformational and coordinate geometry. The Geometry Common Core Regents is taken at the end of the year.  
**Prerequisites:** Successful completion of Algebra Common Core, 70% on the Algebra Common Core Regents, with an average of 70% and departmental recommendation.

- 361      Geometry Common Core 10      1 credit**  
 This is the second course of the New York State Regents Mathematics program. Topics include geometric relationships, constructions, locus, informal and formal proofs, transformational and coordinate geometry. The Geometry Common Core Regents is taken at the end of the year.  
**Prerequisites:** Successful completion of Algebra Common Core.
- 363      Geometry Common Core Honors 10      1 credit**  
 This is an enriched course with an emphasis on independent work and more in-depth treatment of the Geometry topics as described above. The Geometry Common Core Regents examination is taken at the end of the year.  
**Prerequisites:** A student in Algebra Common Core must achieve a 93% average for the year and pass both the midterm and regents examination. Departmental recommendation required.
- 362      Algebra 2 Common Core 10, 11      1 credit**  
 This is the third course of the New York State Regents Mathematics program and contains units on trigonometric, exponential and logarithmic functions and graphs, complex numbers, probability and statistics. The Algebra 2 Common Core Regents examination is taken at the end of the year.  
**Prerequisites:** Successful completion of Algebra Common Core and Geometry Common Core.
- 364      Algebra 2 Common Core Honors 10, 11      1 credit**  
 This is an enriched course with an emphasis on independent work and more in-depth treatment of Algebra 2 topics as described above. The Algebra 2 Common Core Regents examination is taken at the end of the year.  
**Prerequisites:** A student in Geometry Common Core must achieve a 93% average for the year and pass both the midterm and regents examinations. Departmental recommendation required. A student in Geometry Common Core Honors must achieve a 90% average for the year and pass both the midterm and Regents examination. Departmental recommendation required.
- 305      Pre-Calculus 11, 12      1 credit**  
 This course includes units on advanced algebra, elementary functions, polynomials, sequences and series, trigonometry, limits, and the derivative.  
**Prerequisites:** A student must achieve 75% in each Quarter throughout Algebra Common Core, Geometry Common Core and Algebra 2 Common Core, must pass all midterms, finals, and pass all Math regents. Departmental recommendation required. **Optional:** Three (3) College Credits from Molloy College.
- 308      Basic Accounting      1 credit**  
 This course will cover the use of basic accounting principles and concepts in recording business transactions: the accounting cycle, journal entries and financial statements. Other topics include the accounting system, valuation of assets, and sources of business capital.
- 315      Pre-Calculus Honors 11, 12      1 credit**  
 This is an enriched course with a more in-depth treatment of the Pre-Calculus topics as described above and additional topics.  
**Prerequisites:** All students must meet the Pre-Calculus requirements above plus a student in Algebra 2 Common Core must achieve a 93% average for the year and a student in Algebra 2 Common Core Honors must achieve a 90% average for the year. Departmental recommendation required.  
**Optional:** Three (3) college Credits from Molloy College.

- 314 Calculus 12** **1 credit**  
 This is a course in introductory calculus with elementary functions that employs the use of graphing calculator technology. Topics include functions, limits, the derivative and its applications, the definite integral and applications.  
**Prerequisites:** Successful completion of Integrated Algebra Common Core, Geometry Common Core, Algebra 2 Common Core and Pre-Calculus with a cumulative average of at least 80% in Pre-Calculus and departmental recommendation. **Optional:** Four (4) college Credits from Molloy College.
- 324 AP Calculus 12** **1 credit**  
 This is an enriched course in introductory calculus with elementary functions which employs the use of graphing calculator technology. This is a theory based course and a more in depth treatment of Calculus topics as described above. The Advanced Placement examination is a requirement for the successful completion of this course.  
**Prerequisites:** A student must maintain an 85% in each Quarter, midterm and final examinations in Pre-Calculus Honors, and Departmental recommendation. **Optional:** Four (4) college credits from Molloy College.
- 310 Statistics** **1 credit**  
 This course is designed to introduce the student to the basic concepts of Statistics. Topics to be discussed include the collection, organization, analysis, and interpretation of data. Students will learn how Statistics are applied as tools in many fields including: business, education, economics and everyday life.  
**Prerequisites:** An average of 75% in each Quarter of Algebra Common Core, Geometry Common Core, and Algebra 2 Common Core, and passing grades on all midterms, finals and regents examinations. In addition, students must have departmental approval and a TI-83 or TI-84 calculator.
- 306 Advanced Algebra 12** **1 credit**  
 This is a course that prepares the student for college mathematics. Topics include matrices, sequences, advanced algebra, statistics, and trigonometry.  
**Prerequisites:** Successful completion of Algebra 1 Common Core, Geometry Common Core, and Algebra 2 Common Core.

## COMPUTER

- 341 Computer 9** **1 credit**  
 This course is designed to help students master the necessary computer skills needed to succeed in high school, college, and beyond. By blending academic subjects such as math, science, social studies, and English with computer skills, students will be exposed to concepts that will complement and enhance their academic subjects while their computer skills are expanded. The course focuses on Microsoft Office, basic computer concepts such as binary language and coding, file management, HTML, digital music, databases and keyboarding skills.
- 340 Excel I 11, 12** **½ credit**  
 This is an advanced course for juniors and seniors who wish to master Excel, Microsoft's powerful spreadsheet and chart program. All the possibilities of Excel will be explored as students learn to master formulas, data organization, create professional level reports and analyses, and experience how to take raw data and present it in a concise manner.
- 343 Introduction to Adobe Photoshop 11, 12** **½ credit**  
 Where art meets computer science: An introductory course to Photoshop, Adobe's widely-used photo editing program. Students will learn marketable skills with a focus on color moves, composite images, animation, and image editing. Students will also learn the technical side of Photoshop and how to create files for print, the Internet, and all electronic media.

- 344 Desktop Publishing 11, 12** **½ credit**  
 This course is an intermediate level entry into the world of desktop publishing using Adobe InDesign. Students will learn how to use the featured tools. Design principles and publishing ethics and hazards are stressed in this course along with layout and presentation skills.
- 346 Web Design 11, 12** **½ credit**  
 This is an introductory course in web planning, creation, design, development and maintenance. Ethics in web design is stressed. HTML, HTML5, CSS and JavaScript will be visited while mastering Dreamweaver and Muse.
- 352 Introduction to Computer Science** **½ credit**  
 Students will be exposed to concepts from “how computers work” to “how to make computers work.” The first part of the course will focus on hardware and networking. The second part of the course will zoom in programming languages such as Java, and Python to writing scripts (Perl and other open source scripts such as PHP) for the internet.
- 342 AP Computer Science Principles** **1 credit**  
 This course will introduce the students to the creative side of programming, algorithms, abstractions, internet and cybersecurity, and computing impact. The student will have the opportunity to use technology to address and build solutions for real world problems.  
**Prerequisites:** Introduction to Computer Science and departmental recommendation.

## SOCIAL STUDIES

- 401 Global Studies I 9** **1 credit**  
 This course will focus on World History and culture up to the Age of Absolutism. Writing skills as well as historical reading and thinking skills will be emphasized.
- 427 AP World History I** **1 credit**  
 Teacher and student will work together to examine World History and think critically about events of the past. The historical thinking skills provide an essential structure for learning to think critically. These skills apply to AP World History and they also represent the type of skills required in all college-level courses involving historical scholarship. The emphasis on diverse sources will promote critical analysis. (From the *Advanced Placement Course Description for World History*, published by the College Board). The honor’s student is expected to analyze the material covered and formulate positions based on this knowledge. A specific review book will need to be purchased for this course to be used during the two year curriculum. Information will be sent out in June with the book details.  
**Prerequisites: AP World History is a mandatory two-year commitment (9<sup>th</sup> and 10<sup>th</sup> Grades)** Students must take the AP World History examination in May of 10<sup>th</sup> Grade and NYS Global Studies Regents in June of 10<sup>th</sup> Grade. This is a college level course. Students are expected to achieve mastery in essay writing in the following areas: Document-Based Question Essays, Continuity and Change-Over-Time Essays, Causation and Comparative essays. Acceptance in this course is solely based on the results of the CHSEE or TACHS examination.
- 402 Global Studies II 10** **1 credit**  
 This course will focus on World History and culture from the Scientific Revolution to the present. The course will emphasize the cultural, economic, geographic and political connections that exist among the countries of the world. In June of 10<sup>th</sup> grade, students will take the New York State Regents Examination covering two years of material (Global Studies I & II).

- 428 AP World History II** **1 credit**  
 Teacher and student will work together to examine World History and think critically about events of the past. The historical thinking skills provide an essential structure for learning to think critically. These skills apply to AP World History and they also represent the type of skills required in all college-level historical scholarship. The emphasis on diverse sources will promote historical scholarship. (From the *Advanced Placement Course Description for World History*, published by the College Board). The honor student is expected to analyze the material covered and formulate positions based on this knowledge. The Advanced Placement Examination in May is a requirement for the successful completion of this course. A specific review book will need to be purchased for this course to be used during the two year curriculum. Information will be sent out in June with the book details.  
**Prerequisites: AP World History is a mandatory two-year commitment (9th and 10th Grades)** Students must take the AP World History examination in May of 10th Grade and NYS Global Studies Regents in June of 10<sup>th</sup> Grade. This is a college level course. Students are expected to achieve mastery in essay writing in the following areas: Document-Based Question Essays, Continuity and Change-Over-Time Essays, Causation and Comparative essays. Acceptance in this course is solely based on the results of the CHSEE or TACHS examination.
- 403 United States History and Government 11** **1 credit**  
 The third course in the Social Studies program is one on United States History and Government. Concentration will be given to an overview of U.S. History. Constitutional issues and legal issues will be developed in addition to ones concerning international involvement. The organization of the course will be chronological. The New York State Regents examination will be taken in June and is required at the end of the course.
- 415 Advanced Placement United States History and Government 11** **1 credit**  
 This course covers in depth the major issues in United States history. Students must be able to write strong comprehensive essays. Students will be prepared to take the AP American History exam in May and the New York State Regents exam in June. The Advanced Placement Examination in May is a requirement for the successful completion of this course.  
**Prerequisites:** A student in Global Studies 10 must achieve a 95% average for the year, pass the midterm and regents examinations with an 80% on BOTH and maintain a 93% average in essay writing. A student in Global Studies 10 Honors (17-18 only) must achieve a 93% average for the year pass the midterm and regents examinations with an 80% on BOTH and maintain a 93% average in essay writing. A student in AP World History must achieve an 85% average for the year, pass the midterm and regents examinations with an 80% on BOTH and maintain a 93% average in essay writing. All averages are based on **unweighted averages**. **Optional:** Molloy College credit (6 credits)
- 404 Economics (Fall)/Participation in Government (Spring) 12** **1 credit**  
 The first half of the year will be a course in economics and economic decision-making. It will include the basic economic concepts and understandings that all persons will need to function effectively and intelligently as citizens and participants in the economy of the United States and the world. The primary purpose of the "participation in government" mandate is to facilitate and encourage the development of civic-minded individuals capable of effectively *fulfilling* the "office of citizen." The end product should be individuals who have the characteristics that *describe* a citizen - committed, informed, skillful and active. Students should possess the qualities associated with civic-mindedness, civic literacy, civic intelligence and civic enterprise.



**414 Economics (Fall)/Participation in Government Honors (Spring) 12 1 credit**  
Course is as above in greater depth. Student should have an above average interest in Economics and Government.

**Prerequisites:** A student in American History 11 must achieve a 95% average for the year, pass the midterm and regents examinations with an 80% on BOTH and maintain a 93% average in essay writing. A student in AP United States History, 11 must achieve 85% average for the year, pass the midterm and regents examinations with an 80% on BOTH and maintain a 93% average in essay writing. All averages based on **unweighted averages**.

**113 AP Psychology 12 1 credit**

The purpose of the AP course in Psychology is to introduce 12th grade students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields with psychology. Students also learn about the ethics and methods psychologists use in their science and practice. (From the *Advanced Placement Course Description for Psychology*, published by the College Board.) Students taking this course accept the challenge of a rigorous curriculum and will be required to take the Advanced Placement Examination in May for the successful completion of this course.

**Prerequisites:** A student who is currently taking Advanced Placement U.S. History and Government must achieve an 80% average for the year, as well as pass the midterm and receive an 80% or better on the New York State regents examination. A student who is currently taking US History and Government must achieve an 85% average for the year, as well as pass the midterm and receive an 80% or better on the New York State regents examination. All averages are based on **unweighted average**. **Registration will be capped at 150 students.**

## SCIENCE

**505 Living Environment/Lab 9 1 credit**

First year Living Environment involves many avenues of inquiry into the nature of life. An inter-relationship of structure and function is progressively built from the biochemistry of a simple cell to the human being. The intricacies of nutrition, adaptation, growth and reproduction are considered on all levels of life forms. The students are given an introduction to evolution and ecology of organisms as considered within the framework of the environment. **Students are required to meet the demands of the New York State in terms of required laboratory work.** A passing grade on the New York State Regents exam and a passing final average are required for the successful completion of the course.

**508 Living Environment Honors/Lab 9 1 credit**

This honors level course will follow the same syllabus as the Living Environment Regents curriculum, but with greater breadth of coverage. Additional topics include microbiology, biochemistry, Mendelian genetics, human physiology, photosynthesis including the Calvin Cycle, Photosystems I and II, electron transport chain, chemiosmosis, and cellular respiration including the Krebs cycle, classification specifics, and others. **Students are required to meet the demands of the New York State in terms of required laboratory work.** A passing grade on the New York State Regents exam and a passing final average are required for the successful completion of the course. **Incoming 9<sup>th</sup> Grade students who have achieved a designated score on the Catholic High School Entrance Examination (CHSEE) or (TACHS) will be invited to take a placement test for Living Environment Honors.**

- ❖ **SCIENCE RESEARCH IS A FOUR-YEAR PROGRAM.** The Science Research Program is a unique opportunity for students to experience the rigor and rewards of real scientific research while still in high school. This sequence of courses is directed to those students who have a keen interest in science and would like to pursue excellence into areas of original research. **STUDENTS MUST BEGIN THE PROGRAM IN 9<sup>TH</sup> GRADE with the Introduction to Research class.**

- ❖
- 509 Introduction to Science Research 9 ½ credit**  
 Introduction to Science Research 9 will prepare students to design and conduct research in the biological, chemical, physical, social, and environmental sciences. Students must be highly motivated and able to work independently. Emphasis is on both exploratory and bibliographic research. Students are taught the process of online text and journal researching and are able to access various scientific databases. Students will learn methods of investigation, how to research primary sources and scientific journals, techniques of annotation and how to write a scientific research paper. Students will learn statistical tools and scientific analysis and will be required to write research papers. Statistical data analysis will require strong math skills. Students who demonstrate commitment to long-term, focused research and show initiative, perseverance and creativity will be invited to continue research in their sophomore year. *This program is a four-year commitment and will require summer research placement for one to two summer sessions.* The selection process is based on math and science performance, ELA scores, and prior research experience.
- 510 Science Research 10 ½ credit**  
 Science Research 10 is a continuation of Science Research 9 for highly motivated students and requires a serious commitment throughout the four years of high school. Students will continue developing the skills necessary to master various methods of investigation, researching articles on the internet and in scientific journals, designing and conducting experiments, and arriving at conclusions from their results. They will be guided to present their research at Symposiums and Science Competitions such as the Molloy College Science Fair and the Nassau County Science Competition. The ultimate goal will be placement with a mentor at a Research Program, and intensive research work on a topic that may be presented at prestigious competitions such as the Siemens Competition, the Regeneron Science Talent Search, and the Long Island Science and Engineering Fair, in their junior and senior years. An after school commitment to independent study is required for successful progress and completion of experimental research in the SHA science lab. Prerequisite: A student must have a final average of “A” in Science Research 9.
- 511 Science Research 11 ½ credit**  
 Science Research 11 is a continuation of Science Research 10 for highly motivated students and requires an increased level of commitment in junior year. Students will continue to refine their skills in topic selection, scientific research and presentation. It is mandatory for each student to design, perform, and present their results from an experiment at least two science fairs. By the middle of the year, students will be required to make contact with and find placement with a mentor for Summer Research. Intensive preparation and time commitment is required to demonstrate readiness for entry into major Science competitions as a senior. By the 3rd quarter of 11th grade, students will have begun to work with a mentor on a research project that will continue into their six-week summer research lab placement.  
**Prerequisite:** A final average of “A” in Science Research 10 and readiness for work with a mentor.
- 514 Science Research 12 ½ credit**  
 Science Research 12 is a continuation of Science Research 11 for those students who have **completed** their 6-week junior summer research mentorship and are prepared to enter academic competitions with independent research in its final stages of completion. Students will continue to participate in group projects as well. It is mandatory for each student to participate in 2 paper research competitions and to design, perform, and present their results from an experiment at least two science fairs. As a senior, students should be prepared for entry into multiple Science fairs and competitions.  
**Prerequisite:** A final average of “A” in Science Research 11 and a summer research internship with the student’s mentor must be completed with sufficient work being competition-ready.

- 502 Chemistry/Lab 10** **1 credit**  
This course presents a modern view of chemistry providing the unifying principles of chemistry as the central science. The course provides a basic understanding of quantum mechanics, molecular structure, chemical bonding and the periodicity of the elements, chemical reactions, and stoichiometry. While performing a variety of classroom and laboratory activities, students work with scientific notation, direct and indirect relationships and dimensional analysis to investigate the basic properties of matter. **Students are required to meet the demands of the state in terms of required laboratory work.** A passing grade on the New York State Regents Exam and a passing final average are required for the successful completion of the course.  
**Prerequisites:** Successful completion of Living Environment, Algebra and enrollment in Geometry.
- 512 Chemistry Honors/Lab 10** **1 credit**  
This course has been developed by the members of the Science Department to meet the needs of advanced students capable of working on certain topics of the Regents syllabus in more detail. This course provides an in depth understanding of the unifying principles of chemistry including quantum mechanics, molecular structure, chemical bonding and periodicity of the elements, chemical reactions, and stoichiometry. While performing a variety of classroom and laboratory activities, students work with scientific notation, direct and indirect relationships and dimensional analysis to investigate the basic properties of matter. **Students are required to meet the demands of the state for required laboratory work and to take the Regents exam in Chemistry.**  
**Prerequisites:** A student in Living Environment must achieve a 90% average and a score of 85% on the Living Environment Regents examination. A student in Honors Living Environment must achieve an 85% average for the year and achieve a score of 85% on the Living Environment Regents examination.
- 503 Physics/Lab 11, 12** **1 credit**  
This is a basic science course that familiarizes the student with the principles of mechanics, heat, light, wave, motion, sound, electricity and nuclear energy. It gives the student a foundation for the study of physics and other sciences on the college level. **Students are required to meet the demands of the state for required laboratory work.** The New York State Regents exam in Physics is taken at the end of this course.  
**Prerequisites:** A student in Chemistry must achieve 85% average for the year in Chemistry, a score of 80% on the Chemistry Regents, plus an 80% on the Algebra Mathematics Regents. A student in Chemistry Honors must achieve 83% average for the year in Chemistry, a score of 80% or higher on the Chemistry Regents, plus 80% on the Algebra Mathematics Regents. A student who has successfully completed AP Environmental Science and has taken the AP exam may be enrolled in Physics. *Departmental consideration with signed parental waiver may be considered in select cases.*
- 521 AP Physics 1 11, 12** **1 credit**  
This is an algebra based, introductory college level course in physics. This course explores the topics of Newtonian mechanics (including rotation), work, energy, power, mechanical waves and sound and simple circuits. The AP Physics examination is a requirement for successful completion of this course.  
**Prerequisites:** *To be considered for AP Physics, students must be enrolled in, or have completed, Pre-Calculus and have an average of 90% in Algebra 2 and Pre-calculus.* Honors physics students must have an 85% average for the year plus achieve a score of 80% or higher on the Physics regents. Honors chemistry students must have an 85% average for the year plus achieve a score of 85% or higher on the Chemistry regents. Students are required to complete and submit a summer assignment on the first day of school.  
**Seniors will take a final exam in May and juniors will be required to take the New York State Regents exam in June.**

- 517 AP Environmental Science 11, 12 1 credit**  
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. Unlike most other college science courses, environmental science is offered from a wide perspective of sciences, including biology, environmental studies, chemistry, and geography. This course provides students with an understanding and appreciation for the scientific principles, concepts, and methodologies required to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will explore how humans have altered natural systems throughout history and how technology and population growth have enabled humans to increase both the rate and scale of their impact on the environment. They will study how environmental problems have a cultural and social context and how human survival depends on developing practices that will achieve sustainable systems. Upon successful completion of the course, students will be expected to sit for the corresponding Advanced Placement examination in May. A summer assignment will be required for this course.  
**Prerequisite:** Successful completion of Regents or Honors Chemistry with passing on the Regents Chemistry exam and/or departmental recommendation.
- 516 AP Biology 12 1 credit**  
The Advanced Placement Biology course is designed to be the equivalent of the introductory biology course usually taken during the first year of college. This course may enable students, as college freshmen, to meet the prerequisites for second year work in the biology sequence or to register in courses in other fields where general biology is a requirement. This course investigates the interrelationships of microbiology, biochemistry, anthropology, histology, psychology, chemistry, genetics, comparative anatomy, embryology and ecology. Molecular, cellular, organismal and population biology are central course themes. This is a course for a student who plans to major in biological science (Biology, Biochemistry, Pre-Med, Pre- Dental, Pre-Vet). A summer assignment will be required for this course.  
**The AP exam is a requirement for the successful completion of the course.**  
**Prerequisites:** Living Environment Honors students must have 85% average for the year plus pass the Living Environment regents. Living Environment Regents students must have a 90% average for the year plus pass the Living Environment regents. If the student does not meet the above requirements, a student with an overall 90% average for Living Environment and Chemistry may take the AP class.
- 524 AP Chemistry 11, 12 1 credit**  
Advanced Placement Chemistry is designed to be the equivalent of an introductory chemistry course usually taken during the first year of college for those students pursuing college majors in medicine, pharmaceuticals, healthcare, engineering, environmental science and biochemistry. This course may enable some students, as college freshmen, to undertake a second year work in the chemistry sequence or to register for courses in other fields where general chemistry is a prerequisite. Topics such as the atomic and molecular structure of matter, kinetics, and basic thermodynamics are investigated in considerable depth. Group inquiry learning methods are applied, further preparing students with the skills needed for undertaking rigorous college courses in the future. A summer assignment will be required for this course.  
**The AP exam is a requirement for the successful completion of the course.**  
**Prerequisites:** Honors Chemistry students must have 85% average for the year plus score over 80% on the Chemistry regents and/or departmental recommendation. Regents Chemistry students must have an 85% average for the year plus score over 80% on the Chemistry regents and /or departmental recommendation.
- 535 Human Biology: Biology of Women 12 1 credit**  
This course studies the structure and function of the human body with emphasis placed upon the concepts that help correlate the principals of structure and function. Topics will include advances in Genetics and Human Diseases. This course includes hands on computer lab work and projects.  
**Prerequisites:** Successful completion of three consecutive years of science and /or Departmental approval.

- 537 Anatomy and Physiology / Nutrition 12** **1 credit**  
 This college-preparatory elective science course includes a detailed study of the human body systems. Anatomy is the study of the structure and relationship between body parts. Physiology is the study of the function of body parts and the body as a whole. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are a focus throughout the course. This course also provides an overview of the principles of nutritional science. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as either a life-science or physical education teacher. Laboratory activities will include several microscopic analyses of tissue specimens as well as several dissections to accompany the subject matter.  
**Prerequisites:** 80% Average in Regents Living Environment, Chemistry, and Physics *or* AP Environmental Science.
- 912 Health 10** **½ credit**  
 Health emphasizes the importance of responsible decision making to a student's overall wellness. Students sharpen their judgment as they consider health issues and learn how to apply decision-making skills to their own lives. By learning to evaluate their own knowledge and behavior, students are better equipped to face critical health issues. Health encourages students to look closely at their own lifestyles and set goals for improving their well-being. Topics discussed in the health course include: drugs as medicine, drugs of abuse, alcohol use and abuse, tobacco, nutrition, weight control, fitness, the human body and its systems, reproduction, pregnancy, and sexual transmitted diseases. **Successful completion of this course is necessary to satisfy NYS High School Diploma requirements.**

#### WORLD LANGUAGES

- 639 Latin Roots and Derivations 9** **½ credit**  
 This ½ credit course is required of all freshmen students. The emphasis is on Latin roots, prefixes, suffixes, and derivations. The course is designed to increase competency and recognition in vocabulary utilized in standardized tests (PSAT/SAT/ACT). While students are learning these Latin roots, they will also increase their skills in other foreign languages.
- 611 French 1** **1 credit**  
 This course provides a basic training in the language skills of listening, speaking, reading and writing in French. Knowledge of the structures of the language is acquired as well as knowledge of vocabulary and the culture of the French people.
- 612 French 2** **1 credit**  
 The parallel development of the four basic skills continues: integrated listening, speaking, reading and writing. The materials used (text, teacher supplementary materials) promote the acquisition of language. Structure drills, written and oral exercises develop the mastery of grammatical structure. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** Freshmen who have already achieved NYS High School credit I French 1 (5 times per week, 45 minutes per class) and achieved 70% or above will be paced in Level 2.
- 622 French 2 Honors** **1 credit**  
 This course covers the content in French 2 with heavier concentrations in listening, speaking, reading and writing. Beginning elements of third year French will be introduced in the last quarter. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in French 1 must achieve a 93% average for the year, pass both the midterm and final examinations, and have departmental recommendation to be considered for placement into this honors class.

- 613 French 3 1 credit**  
The interdependence and further study of the four basic skills aimed to achieve language in culture and language for communication continues through more advanced reading materials, controlled composition, situation settings, oral reports and conversations. "A mandatory summer assignment will be required of all students entering this course."
- 623 French 3 Honors 1 credit**  
This course covers the content in French 3 with heavier concentrations in the four basic skills. Beginning elements of fourth year French will be introduced in the last quarter. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in French 2 must achieve a 93% average for the year and pass both the midterm and regents examinations. A student in French 2 Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Departmental recommendation required.
- 624 French 4 1 credit**  
The fundamental goal of this course is twofold: to foster a greater mastery of spoken and written French through improving verbal fluency, listening comprehension, and written composition and to deepen the students' understanding of world communities through an examination of French and francophone history and literature. Classroom activities and assignments will include oral and written reports on the influence and importance of French culture in the contemporary world. The course is designed to embed a review and analysis of essential grammar and structure in the context of the literary and cultural readings. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student must have a minimum average of 80% over 3 years of French as well as departmental recommendation for admittance to French4.
- 615 French 4 Honors 1 credit**  
This course presents important events and key figures in French history and civilization. Major authors are read. During the course of study, there are ongoing reviews of essential, previously learned grammar, as well as introductions to more advanced skills and concepts. In addition, there are oral presentations and written assignments based on the readings. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in French 3 must achieve a 93% average for the year and pass both the midterm and final examinations. A student in French 3 Honors must achieve a 90% average for the year. Departmental recommendation required. **Optional:** Adelphi credit is available.
- 626 French 5 1 credit**  
French Level 5 is designed to provide students who have completed French 4 or French 4 Honors with the opportunity to continue language studies on an advanced level. The goal is to facilitate the transition from the high school world language classroom to a more sophisticated college elective studies, while empowering students with the tools to progress from Checkpoint B proficiency to Checkpoint C language competency. The learning objectives of French 5 are aligned with both NYS Checkpoint C learning standards and ACTFL performance assessment goals for intermediate-low to intermediate-high levels of communication in languages other than English. **"A mandatory summer assignment will be required of all students entering this course."**  
**Prerequisites:** The course is open to all students who have completed French 4/4H before their senior year and departmental recommendation is required.
- 601 Italian 1 1 credit**  
In this course, the four basic skills in language learning are introduced: listening, speaking, reading and writing. Oral and written work is stressed. Vocabulary, pronunciation and grammar are a vital part of the program. The culture of the Italian-speaking people forms an integral part of the course.

- 602 Italian 2 1 credit**  
 The parallel development of the four basic skills continues: integrated listening, speaking, reading and writing. The materials used in class and homework promote the acquisition of language. Structure drills, written, listening, and oral exercises develop the mastery of communicative and grammatical structures. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** Freshmen who have a minimum of 85% average in Italian 1, and have satisfied one NYS High School credit in Italian (5 days a week, 45 minutes per class) will be placed in Level 2.
- 605 Italian 2 Honors 1 credit**  
 The course content is same as in Italian 2, with heavier concentrations in listening, speaking, reading and writing. Beginning elements of third year Italian will be introduced. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in Italian 1 must achieve a 93% average for the year, pass both the midterm and final examinations, and have departmental recommendation to be considered for placement in this honors class.
- 603 Italian 3 1 credit**  
 This course continues the grammatical and communicative structure of the second year with greater emphasis on aural, oral, written and reading work. The Checkpoint B cumulative examination will be taken in June. "A mandatory summer assignment will be required of all students entering this course."
- 606 Italian 3 Honors 1 credit**  
 The course content is the same as in Italian 3. Enrichment in the language in second part of the course will include examples of AP Italian Language. The Checkpoint B cumulative examination will be taken in June. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in Italian 2 must achieve a 93% average for the year and pass both the midterm and final examinations. A student in Italian 2 Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Departmental recommendation required.
- 604 Italian 4 1 credit**  
 The primary focus of this course is to improve students' oral communication skills through the use of thematic vocabulary and idiomatic expression in contextual situations. Student centered activities will include oral reports on topics of contemporary cultural interest. Students will be able to summarize and analyze orally and in writing excerpts from contemporary short stories and newspaper articles by Spanish authors. The course will also emphasize the contributions of Hispanics to world cultures. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student must have a minimum average of 80% over 3 years of Italian as well as departmental recommendation for admittance to Italian 4.
- 608 AP Italian Language and Culture 1 credit**  
 This course is designed for students who have a good command of Spanish grammar and syntax in the four skills of language acquisition – reading, writing, speaking and listening comprehension. A greater emphasis will be placed on grammar, reading comprehension, oral exercises, and essay writing. Cultural expositions will abound through literary readings and internet based activities. The Advanced Placement examination is a requirement for the successful completion of this course. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in Italian 3 or 4 must achieve a 95% average for the year and pass both the midterm and final examination with minimum of 90%. A student in Italian 3 Honors must achieve a 92% average for the year and pass both the midterm and final examinations with a minimum of 88%. Departmental recommendation is required.

- 641 Spanish 1 1 credit**  
 In this course, the four basic skills in language learning are introduced: listening, speaking, reading and writing. Oral work is stressed. Vocabulary, pronunciation and grammar are a vital part of the program. The culture of the Spanish-speaking people forms an integral part of the course. Some summer work will be expected if the student is continuing on to Spanish 2 or Spanish 2H.
- 648 Spanish 2(9) 1 credit**  
 Freshmen who have satisfied 1 NYS high school credit in Spanish 1 in Middle School or Junior High School and achieved a final average of 85% will be eligible for this course. Official confirmation from previous school will be required to confirm NYS seat time of 5 times a week for 45 minutes each has been met. See course description for Spanish 2. Some summer work will be expected if the student is continuing on to Spanish 3 or Spanish 3H. "A mandatory summer assignment will be required of all students entering this course."
- 642 Spanish 2 1 credit**  
**This course builds upon the foundation of Level 1. The development of conversational patterns through dialogues is drilled. There is an increasing concentration on grammar structures, vocabulary and idiomatic expressions. The ability to write well is helped through composition work. An ongoing teaching of Spanish culture is an important part of the course. Some summer work will be expected if the student is continuing on to Spanish 3 or Spanish 3H. "A mandatory summer assignment will be required of all students entering this course."**
- 652 Spanish 2 Honors 1 credit**  
 This course covers similar content as in Spanish 2 with heavier concentrations in reading, speaking and writing. Beginning elements of third year Spanish will be introduced in the last Quarter. Some summer work will be expected if the student is continuing on to Spanish 3 or 3 Honors. A student in Spanish 1 must achieve a 93% average for the year and pass both the midterm and final examinations. Departmental recommendation required. "A mandatory summer assignment will be required of all students entering this course."
- 643 Spanish 3 1 credit**  
 This course continues the grammatical and communicative structure of the second year with greater emphasis on aural, oral, written and reading work. "A mandatory summer assignment will be required of all students entering this course."
- 653 Spanish 3 Honors 1 credit**  
 The course content is the same as in Spanish 3. Enrichment in the language in second part of the course will include examples of Spanish 4, 5, and AP Spanish Language. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in Spanish 2 must achieve a 93% average for the year and pass both the midterm and final examinations. A student in Spanish 2 Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Departmental recommendation required.
- 646 Spanish 4 1 credit**  
 The primary focus of this course is to improve students' oral communication skills through the use of thematic vocabulary and idiomatic expression in contextual situations. Student centered activities will include oral reports on topics of contemporary cultural interest. Students will be able to summarize and analyze orally and in writing excerpts from contemporary short stories, newspaper articles, and poems by Spanish authors. The course will also emphasize the contributions of Hispanics to world cultures. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student must have a minimum average of 80% over 3 years of Spanish as well as departmental recommendation for admittance to Spanish 4.



- 645 Spanish 4 - Honors 1 credit**  
 This is a cultural communication course in which students are provided with the motivation, vocabulary and structure that will enable them to discuss their ideas, interests and personal experiences in addition to attitudes, opinions and reactions. The cultural focus is on a global awareness of the Spanish-speaking world. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A student in Spanish 3 must achieve a 93% average for the year and pass both the midterm and final examinations. A student in Spanish 3 Honors must achieve a 90% average for the year and pass both the midterm and regents examinations. Departmental recommendation is required. Adelphi credits are optional.
- 663 Introduction to Spanish Literature 1 credit**  
 This course presents significant authors of Spanish literature from the Medieval Period to the 20th Century. It also offers selective pieces of Spanish American literature from the Colonial Period to the 20th Century. This includes poetry, short stories, novels and drama, with a particular focus on contemporary women authors. Report and/or term paper is required from students each quarter  
**Prerequisites:** A student in Spanish 3/3H must achieve an average of 85% over three years of Spanish. Departmental recommendation is required.
- 666 AP Spanish Language and Culture 12 1 credit**  
 This course is designed for seniors who have a good command of Spanish grammar and syntax in the four skills of language acquisition – reading writing, speaking, and listening comprehension. A greater emphasis will be placed on grammar, reading comprehension, oral exercises, and essay writing. Cultural expositions will abound through literary readings and Internet based activities. The Advanced Placement examination is a requirement for the successful completion of this course. "A mandatory summer assignment will be required of all students entering this course."  
**Prerequisites:** A junior in Spanish 3, 4, or Literature must achieve a 95% average for the year and pass both the midterm and final examinations with a minimum grade of 90%. A junior in Spanish 3 Honors or 4 Honors must achieve a 92% average for the year and pass both the midterm and final examinations with a minimum of 88%. Departmental recommendation is required.
- 661 Foreign Film Studies: Understanding Foreign Culturesthrough Cinema 1 credit**  
 The primary focus of this film course is to expose students to different languages and cultural views portrayed in Spanish, French, Italian, and German films. Students will learn about the genres Classicism, Realism, Neo-Realism, Expressionism, and Modernism in each of these target cultures. Students will also discuss and analyze contemporary aspects of language, culture, and world view. This film course is also intended to help students connect ethical dilemmas and issues raised in these films to the contemporary world. This course is open to Seniors only.

## ART

### All of these art courses follow the NYS Standards

- 708 Elements of Art Studio I A 9** **½ credit**  
This course is a half-year studio art course. The elements of art will be explored in several mediums along with an introduction to a variety of artists and artistic styles.
- 792 Basic Art/Studio I** **1 credit**  
A full year studio art course for students who want to learn how to create beautiful works of art using a variety of drawing, painting, and dimensional techniques and supplies.
- 718 Principles of Art Studio I B 10** **½ credit**  
This course is a half-year studio art course. The principals of art will be explored in a variety of mediums along with an introduction to the history of art.
- 702 Basic Art/Studio II** **1 credit**  
A full year hands on art course that introduces students to materials, techniques, and processes essential to understanding the visual arts through a series of projects along with reading and writing. Students who are interested in expressing their ideas visually will enjoy this course. This class is open to all sophomores.
- 772 Basic Art Studio II Honors** **1 credit**  
This is an accelerated full year art course where concepts and ideas are expressed in various mediums to create visual expression with an introduction to a variety of artists and historical eras. Art service hours and summer assignments are required. Students who want to major in the Arts in college should pursue this course.  
**Prerequisites:** A student must have a 90% overall average in all subjects at the end of freshman year along with 93% minimum final average in 708 Elements of Art Studio I A, a review of previous work habits, departmental evaluation of three (3) completed portfolio pieces, performance test and survey. You will be invited if all of the criteria have been successfully met.
- 703 Design/Drawing Studio III** **1 credit**  
This is a full year hands on art course that expands students' experiences with materials, techniques, concepts and processes essential to understanding the visual arts through a series of projects along with reading and writing that reflects art in the real world. Students who are interested in expressing their ideas visually will enjoy this course. Students will be required to do summer projects. This course is open to all juniors.

- 773 Design/Drawing Studio III Honors 1 credit**  
 An accelerated full year art course where a variety of advanced drawing, painting and design experiences are explored along with various artists and historical eras. Art service hours and summer assignments are required. Students who want to major in the Arts in college should pursue this course. You will be beginning your college portfolio. **Prerequisites:** A student must have a 93% minimum final average in 772 Basic Art/Studio II Honors 10.
- 704 Drawing/Painting Studio IV 1 credit**  
 A full year advanced art class that is based upon previous visual studio art experiences that will culminate in a deeper understanding of the visual arts. Hands-on projects will reflect student's talent and uniqueness. Students will be required to do summer projects. This course is open to all seniors.
- 774 AP Portfolio H 12 1 credit**  
 Only serious art majors who can work independently will be considered. This course follows the College Board Drawing, 2-D Design or 3-D Design Portfolio guidelines. Submission in May to the College Board requires a minimum of 5 actual pieces to be sent. Twelve (12) images in the Concentration section and 12 images in the Breadth section which both of these sections are submitted on-line. Area of concentration must be determined at the end of the third quarter in junior year. Art service hours and summer assignments are required.  
**Prerequisites:** 772 Elements of Art A/Studio I, 702 Basic Art/Studio II Honors, 703 Design/Drawing/Studio III Honors with a 93% minimum final average, and a typed letter of intent and interview with the department chairperson, review of current grades and work ethic along with current portfolio contents.
- 775 Art Thesis 12 1 credit**  
 Only serious art majors who can work independently will be considered. Emphasis is on student's particular area of concentration established in a contract that contains a foundation in the area of interest and exploration. A Portfolio may also be a part of one's contract. Art service hours and summer assignments are required.  
**Prerequisites:** 792 Elements of Art A/Studio I, 772 Basic Art/Studio II Honors, 773 Design/Drawing/Studio III Honors with a 93% minimum final average, and a typed letter of intent and interview with the department chairperson, review of current grades and work ethic along with current portfolio contents or approval of the art department chairperson.
- 776 Fashion Design for the Movies 1 credit**  
 This is a full year course that will concentrate on designing clothes for the movies. Students will study the work of famous costume designers, learn about fabrics and illustrate their own creations. This class is open to all Juniors and Seniors.
- 785 Graphic Design I (Open to Juniors and Seniors) 1 credit**  
 A full year course that will provide the artistic concepts necessary for students to advance in this field of study to meet the challenges of the contemporary art world where the importance of typography plays such a vital role. Students enrolled in this Art course will be required to take a midterm and final examination to work on Sacred Heart Academy's advertising and media campaigns. Summer assignments are required.  
**Optional 3 College Credits:** St. Joseph's College  
 I. Intro to computer graphics  
 II. Intro to advertising
- 790 Graphic Design II (Introduction to 3D Printing) 1 credit**  
 This is a full year Senior Introductory course to learn how to navigate in 3D software. Students will learn how to navigate through programs such as Sketchup, and other CAD software as well as Adobe Illustrator and Photoshop. 3D printing is here to unlock the potential in every person to create, innovate and fabricate. This course is to prepare students for current and emerging careers in those fields.  
**Prerequisites:** Graphic Design I or permission of Department Chairperson.

- 784 Digital Photography/Photoshop I/Yearbook (Open to Juniors and Seniors) 1 credit.**  
 A full year course where students will take photographs of many school events as well as assigned projects. They will learn the engineering of a camera as well as the basic elements of photography, which include technical skills of camera operations, composition and lighting. The images will be brought into the digital dark room of Adobe Lightroom & Photoshop where the students will learn digital editing tools and a variety of digital photo editing techniques. To further multiple interdisciplinary learning students will learn photojournalism techniques. These photos will be used for SHA's yearbook, website, newsletters and advertising. Students are required to cover after school events for graded classwork. Summer assignments are required.
- 791 Digital Photography/Photoshop II/Yearbook 1 credit**  
 A full year course that is a continuation of Digital Photography/Photoshop I/Yearbook where students will take original photographs from photo shoots into the darkroom of Photoshop. They will learn the engineering of a camera as well as the basic elements of photography, which include technical skills of camera operations composition and lighting. The images will be brought into the digital darkroom of Photoshop where the students will learn digital editing tools and a variety of digital photo editing techniques. These photos will be used for SHA's yearbook, website, newsletters, and advertising. Students are required to cover after school photo shoots for service hours.  
**Prerequisites:** 784 Digital Photography/Photoshop I/Yearbook

## MUSIC

- 729 Basic Music A 9 ½ credit**  
 This is a half-year exploration of the elements of music. Students will develop knowledge to identify the elements—melody, harmony, rhythm, pitch, form, texture, dynamics, tone color, and style—through a variety of performing media. This course is taken along with Basic Art A, one course in the fall and one in the spring.
- 736 Basic Music B 10 ½ credit**  
 This is a half-year course that builds upon the elements of music and explores them through a variety of themes that are found throughout music history. Musical themes and genres are traced from the medieval period to the modern day through a variety of musical examples and composer studies, while always looking at these within a historical context. This course is taken along with Basic Art B, one course in the fall and one in the spring.
- 722 Music Theory 10 1 credit**  
 This is the first year of the music sequence. An in-depth study of the elements of theory will be undertaken, including notation, rhythm, key signatures, intervals, chord construction, melodic design, and four-part writing. There is an emphasis on cooperative learning and project-based application of these concepts. Ear training, including sight singing and dictation, will also be introduced. Prospective music theory students must sit for a diagnostic music theory test at the end of freshman year. This does not affect honors placement, it is just for the instructor's information. This is a two-year course, and students who take Music Theory as a sophomore must take Advanced Music Theory as a junior.

- 739 Music Theory Honors (10) 1 credit**  
 This is the first year of the music sequence. An in-depth study of the basics of music theory will be undertaken, including notation, rhythm, key signatures, intervals, chord construction, melodic design, and four-part writing. There is an emphasis on cooperative learning and project-based application of these concepts. Ear training, including sight singing and dictation, will also be introduced. This material is presented at an accelerated pace with a more in-depth approach. Prospective music theory students must sit for a diagnostic music theory test at the end of freshman year. This does not affect honors placement, it is just for the instructor's information. This is a two-year course, and students who take Music Theory as a sophomore must take Advanced Music Theory as a junior.  
**Prerequisites:** To be considered for Music Theory Honors, a student must have a 90% overall average in all subjects at the end of freshman year. Any student with an overall average of 89% or lower will be placed in Music Theory 10. **Optional:** Molloy College credit available.
- 723 Advanced Music Theory 11 1 credit**  
 This is the second year of the music sequence and continues to build on topics learned in Music Theory 10. More advanced concepts, such as non-harmonic tones, secondary dominants, modulation, and polyphonic music will be covered. Emphasis will be placed on in-depth projects completed both cooperatively and individually. Mid-Term and Final projects will be completed in lieu of Mid-Term and Final examinations. Sight singing and ear training concepts are also continued.  
**Prerequisite:** Music Theory 10
- 732 Advanced Music Theory Honors 11 1 credit**  
 This is the second year of the music sequence and continues to build on topics learned in Music Theory 10. More advanced concepts, such as non-harmonic tones, secondary dominants, modulation, and polyphonic music will be covered. Emphasis will be placed on in-depth projects completed both cooperatively and individually. Mid-Term and Final projects will be completed in lieu of Mid-Term and Final examinations. Sight singing and ear training concepts are also continued. This material is presented at an accelerated pace with a more in-depth approach.  
**Prerequisites:** To be considered for Advanced Music Theory Honors, a sophomore presently in Music Theory must achieve a 95% average for the year and pass both the midterm and final examinations. To be considered for Advanced Music Theory Honors, a sophomore presently in Music Theory Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Any student who has not taken Music Theory Honors 10 is not eligible for college credit, nor is any student who took Music Theory Honors 10 but did not choose to register for the college credits.  
**Optional:** Molloy College credit available.
- 740 AP Music Theory/Advanced Harmony 12 1 credit**  
 This course is the third year of the music sequence, and it is a continuation of Advanced Music Theory 11. Topics include transposition, orchestration, form and analysis, counterpoint, and original composition. These are applied through individual projects and AP test preparation. Mid-Term and Final projects will be completed in lieu of Mid-Term and Final examinations. This is the third year of the music sequence, and the Advanced Placement examination is a requirement for the successful completion of this course.  
**Prerequisites:** To be considered for AP Harmony, a junior presently in Advanced Music Theory must achieve a 95% for the year and pass both the midterm and final examinations. To be considered for AP Harmony, a junior presently in Advanced Music Theory Honors must achieve a 90% average for the year and pass both the midterm and final examinations. Departmental recommendation is required and a summer assignment is required.

- 725 History of Music/ Musical Theatre - Honors 12 1 credit**  
This is a complete history of music from Baroque to Contemporary. Stress is placed on composers, musical selections and forms. Presentations are not technical since this course is an opportunity for non-musicians to appreciate more varied music. Musical elements and vocabulary are studied to achieve a deeper understanding of the art. The spring semester offers a study of the origins of Musical Theatre in America. The course consists of an in depth study of several musicals including plot, character analysis, musical selections and literary content. This may be taken in place of AP Music Theory/Advanced Harmony 12 to satisfy the 3<sup>rd</sup> year of the Music sequence.  
**Prerequisites:** A student must have an 85% overall average. Optional SJU credit is available for both semesters.
- 761 Instrumental Ensemble 1 credit**  
Students will study a variety of styles of music literature, focusing on techniques such as proper breathing/bowing, tone quality, intonation, development of range, articulation, and style. Students will analyze music both visually and aurally so that they may recognize and identify the elements of music and compositional techniques that are used. Development of sight reading skills will be emphasized in order to create more autonomous musicians. Class will be meeting three times a cycle with additional required sectional rehearsals held after school on a rotating basis. Other required events that are outside of school hours include, but are not limited to: dress rehearsals, Christmas Concert, Spring Concert, Open House, and other events as announced. Registration for the NYSSMA festival is available through the department and it is encouraged, but not required, of ensemble members. At least two years of experience on an instrument are needed, and strong sight-reading skills are a plus. Mid-term and final exams will be given, each with a performance and written component. An audition will be required for all new members. Advanced students may also be invited to participate in the Chamber Ensemble, which is a smaller, more select instrumental group that meets after school as a club once a week.
- 764 Chorus 1 credit**  
This course helps prepare singers for performance. The technical skills of singing (such as breathing, diction, phrasing, dynamics, expression, etc.) will be explored through a wide variety of vocal literature. This literature will also be put into a historical and stylistic context to foster a deeper understanding and more meaningful performance. Students will also learn sight singing and music reading. Teamwork will be strongly emphasized, culminating in the Christmas and Spring Concerts, which are course requirements. In addition, students will be encouraged to pursue personal goals. They will be able to learn about and take advantage of many other opportunities to perform, including NYSSMA and various community service events. Class will be meeting three times a cycle with additional required sectional rehearsals held after school on a rotating basis. Dress rehearsals, the Christmas and Spring concerts, and other performances as announced are also required. Mid-term and final exams will be given, each with a performance and written component. An audition will be required for all new members. Advanced students may also be invited to participate in the Chamber Chorus, which is a smaller, more select choral group that meets after school as a club once a week.

## PHYSICAL EDUCATION – DANCE COURSES

### Students may elect to take either Dance or Physical Education

- 714 Dance 9/10** **½ credit**  
Beginner tap and ballet will be the focus of this course. Ballet is an intense study of anatomically correct technique of the Russian Vaganova methodology which includes barre work, center work, terminology and historical reference. Tap is taught as a percussive form and medium, emphasizing sound and rhythmic patterns. Various styles explored are Precision (Rockettes), Rhythm, and Broadway Tap.
- 782 Dance 11/12** **½ credit**  
This course is a combination of ballet, tap, yoga, and choreography. Meditation and Yoga is also included as part of an important healthy lifestyle in maintaining balance and managing stress in daily life. This includes exercises in breathing techniques: guided and non-guided meditation. Teacher approval is necessary for acceptance into this course.
- 907 Physical Education 9/10** **½ credit**  
The Physical Education program is a required course based upon the acquisition of knowledge, skills, attitudes and values that are the foundation for engaging in physical activity. Emphasis is placed on helping the students achieve their best in the following activities: soccer, volleyball, European handball, Project Adventure, basketball, dodge ball, badminton, pickle ball, aerobics, floor hockey and softball. Students use the basic principles of skill analysis to improve previously acquired skills and to continue to learn new skills and activities.
- 908 Physical Education 11-12** **½ credit**  
This is an elective course emphasizing the development of team and lifetime sports: soccer, volleyball, yoga, European handball, floor hockey, dodge ball, badminton, pickle ball, aerobics, basketball and softball. The students will understand that physical activity provides the opportunity for enjoyment, challenge, self-expression and communication. Students will have the knowledge of understanding the physical, social, emotional benefits of physical activity, and accept physical activity as an important part of their lives.
- 901 Lifetime Activities 11-12** **½ credit**  
Instruction will focus on promoting a physically active lifestyle. Nutrition, fitness and dynamic leisure activities which may include yoga, aerobics, orienteering, golf, power walking, flexibility training, strength exercise and overall wellness education.

