January 2020

Dear Students, Parents and the SHA Community,

Welcome! This curriculum guide is designed to help students and their parents make well-informed choices regarding their course selection and program of study. Buffalo Academy of the Sacred Heart has a rich history of trailblazing education for women dating back to 1877 when the Sisters of St. Francis founded the school to address the educational needs of daughters of newly settled German immigrants in the Buffalo area. At that time, a well-balanced education for young women was not the norm. Often subjects like mathematics and science were overlooked for girls. The Sisters were committed to educating the whole young woman—spirit, mind and body, a philosophy that is deeply imbedded in our over 145 year history.

Today, Sacred Heart Academy has a rich array of academic offerings designed to meet students where they are and challenge them with rigorous coursework that will stretch them academically as they prepare for college and beyond. We encourage you to take the time to look through the varied course options available and make decisions that support your long term goals through the selection of a balanced schedule of challenging courses that interest you.

In addition to course descriptions, this guide contains graduation requirements and requirements of different diplomas, endorsements and certificates available to our students. The guide also contains information about freshmen and placement tests, grading, the course placement appeals process and our signature programming. This year we are pleased to announce that SHA is an International Baccalaureate (IB) Diploma Programme Candidate School. The IB Diploma Programme is a comprehensive two-year (grade 11 & 12), internationally recognized curriculum known as the “gold standard” for high school students by colleges and universities. The details of this, our STEM Honors Program and the M&T Women in Leadership and Business Certificate Program are contained in this guide.

As students go through the course selection process, they will meet with their school counselor who will work with them to select courses. Parents will also be asked to sign off on the selected courses. Because we make decisions based upon course selection as to teacher assignments and sections of courses, we rarely will make course changes after initial selection and scheduling, we encourage you to select your courses carefully.

We look forward to an exciting, challenging and enriching 2020-2021 academic year!

Sincerely,

Jennifer M. Demert
Head of School
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POLICIES FOR CHANGING A COURSE
Students and parents are urged to select courses carefully during the scheduling process, observing course prerequisites and graduation requirements. After initial course selection only programmatic changes (class misplacement, student not enrolled in enough courses, course failure, missing a required course, etc.) will be made. These changes are typically initiated by teachers or counselors. Every effort is made to recommend students for the class in which they will be both successful and challenged. A course must be completed and passed for credit to be granted. No partial credit will be given.

PLACEMENT FOR INCOMING FRESHWOMEN
World & Classical Languages - All incoming students who are currently taking French, Spanish, or Mandarin Chinese will be required to take SHA’s World Language Placement Exam if they wish to remain in that language. A student who scores 75% or higher will be given course credit for Level I and will be placed in Level II. World Languages will receive a P for passing and appropriate credit.

Math - All incoming students who score 80% or higher on the Algebra Regents Exam will be given credit for the course and placed in Geometry. Students whose score is 85% or higher are eligible for Geometry Honors.

Technology - All incoming students will be given a skills test to assess their comfort with educational technology. A series of free workshops will be provided prior to the test. For any student lacking some of the skills needed to fully use technology to support her Freshwoman course load, we will provide a series of self-paced tutorials and projects to be completed during the summer between 8th and 9th grade. This will insure all incoming students have the knowledge and skills to make the transition to high school.

Science - All incoming students who have passed the Earth Science Regents course and examination will be given credit for the course and will be placed in Living Environment.

Incoming students who have passed the Living Environment Regents course and Regents exam will be given credit for the course. They will be placed in Chemistry if they have passed the Living Environment Regents exam with a score of 85% or higher and also have taken and passed the Algebra Regents Exam with a score of 80% or higher. To be placed in Chemistry Honors, students must score at least 85% on the Algebra Regents Exam and a 90% or higher on the Living Environment Regents Exam.

Students who have passed Living Environment Regents with a score of less than 85% or Algebra Regents score of less than 80% will be placed in Earth Science.

Regents courses will receive credit and the grade earned for both the course and the exam. Regents course grades will be listed on the student’s transcript and averaged into a student’s grade point average.
General Information

AP Course Enrollment
Please note the following regarding AP course enrollment:

1. All AP courses have explicit prerequisites in addition to the recommendation of the student’s school counselor.

2. Interested students are encouraged to talk with students currently enrolled in the AP courses and the teacher regarding the work load and expectations in the class before they make a decision to enroll in an AP class.

3. In the event that a student wishes to make an appeal for placement in an AP course, she must follow the course appeal process outlined herein.

4. Students will be permitted to take no more than 2 AP courses their Sophomore year, 3 AP courses their Junior year (4 for STEM program members), and/or 5 AP courses their Senior year.

Policy on Course Substitution
If a student requests a course substitution from another academic institution or certified organization for a course in the SHA curriculum, the following criteria apply:

1. Course substitutions may be made so that the student can fit other courses in her schedule or participate in more advanced courses in addition to the SHA curriculum.

2. The number of class hours for substitution must be equivalent to the time required by New York State, and the course curriculum must closely parallel the course curriculum at the Academy.

3. If a Senior requests to take a college course during the academic year, she must carry an 83% or higher average in the specific subject area. Permission of her school counselor and parents is necessary.

4. The instructor must be qualified/certified and willing to submit grades in coordination with the Academy’s grading time schedule.
**COURSE APPEALS PROCEDURES**
The course appeals procedure is intended for students to ask permission for enrollment in a course for which they do not meet the prerequisites contained in the curriculum guide.

When students meet with a counselor to register for courses for the following school year, they must review and meet all prerequisites for courses in which they wish to enroll. If a student wishes to appeal enrollment into a particular course, she must begin by speaking with her counselor and then filling out an Appeals Request Form. This form will ask the student for specific information and a well-written rationale explaining why she feels she can successfully meet course requirements despite the fact that she has not met the stated prerequisites.

Students must submit the appeal form to their counselor on or before the deadline indicated on the form. The counselors will give the appeals to the Director of Academics who will review them and, as needed, consult with the students’ current and expected teachers. At this point, student requests are granted, refused or placed on hold until the completion of final exams in June. Students and their parents are emailed with the appeal decision.

Students whose appeal requests are placed on hold will be reconsidered again at the end of June and a final decision will be made at that time.

**STUDENT LOAD**
With few exceptions, Freshwomen and Sophomores must carry a minimum of seven (7) credits per year.

Juniors and Seniors must carry a minimum of six and one half (6.5) credits per year. To prepare for college rigor, Juniors & Seniors are strongly encouraged to take course loads of 7.0 or more.
### REQUIRED COURSES 2020-2021 SCHOOL YEAR *

<table>
<thead>
<tr>
<th>FRESHWOMAN</th>
<th>JUNIOR</th>
</tr>
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<tbody>
<tr>
<td>1. Religion</td>
<td>1. Religion</td>
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<tr>
<td>2. English</td>
<td>2. English</td>
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<tr>
<td>5. World &amp; Classical Languages</td>
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<tr>
<td>6. Science</td>
<td>5. Physical Education</td>
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<tr>
<td>8. Art or Music or</td>
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<tr>
<td>Technology Electives</td>
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<tr>
<td>9. Leadership Studies / Fresh.</td>
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<tr>
<td>Seminar</td>
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<thead>
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<th>SOPHOMORE</th>
<th>SENIOR</th>
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<tbody>
<tr>
<td>1. Religion</td>
<td>1. Religion</td>
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<tr>
<td>2. English</td>
<td>2. English</td>
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<tr>
<td>5. World &amp; Classical Languages</td>
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<tr>
<td>6. Science</td>
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<td>Technology Electives</td>
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<td>8. Physical Education</td>
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<tr>
<td>Seminar</td>
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### GRADING

Quarter grades are based on quizzes, homework, tests, participation, performance, or any other assessments required for an individual course. The requirements for each course are communicated to students at the beginning of each course. Honor Roll is determined by the weighted averages of courses taken by the students.

The weighting factor for Advanced Placement, IB, and college level courses is 1.16; Honors courses is 1.10; for Regents courses, standard, and elective courses is 1.00.

Topics in Honors, AP, and IB are pursued in greater depth and move at a more rapid pace than Regents. The expectations placed on Honors, AP, and IB students are greater. Each student is expected to go beyond what is discussed in class.
**General Information**

<table>
<thead>
<tr>
<th>Marking System</th>
<th>Honor Roll</th>
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<tbody>
<tr>
<td>4.0</td>
<td>97-100</td>
<td>3.3</td>
</tr>
<tr>
<td>3.8</td>
<td>93-96</td>
<td>3.0</td>
</tr>
<tr>
<td>3.6</td>
<td>90-92</td>
<td>2.6</td>
</tr>
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</table>

Honor Roll with Distinction 3.8

Ineligibility for Honor Roll
- Unsatisfactory Conduct
- Incomplete Grades
- Less than full course load

Students who receive an "incomplete" grade on their report cards due to long-term illness have one month from the end of the marking period to complete their work.

**STEM Honors Program**
The STEM Honors Program allows selected students the opportunity to accelerate their studies in the areas of math, science and technology through summer course work. The Honors program involves exposure to STEM professions and topics through cohort activities and the Senior Summer Experience which introduces students to STEM careers.

Students are invited into the program with selection based on demonstrated aptitude in math and science and must be enrolled in Geometry in 9th grade. During the third quarter of 9th grade, qualified students will be notified that their grades place them into consideration for the STEM program. They and their parents will be invited to an informational meeting in the spring. Final acceptance into the program is made at the end of the school year, when 9th grade courses are complete and full year and exam grades are available.

Students are required to complete two AP Math courses and two AP Science courses. Students are also required to complete an AP Computer Science course. As the IB Diploma Programme develops, AP coursework may be replaced with IB Diploma coursework.

**M&T Bank Women in Leadership & Business Certificate Program**
This program was made possible by the generous support of M&T Bank. This program allows students to receive a certificate in the Women in Leadership & Business (WLB) upon their graduation from SHA. Students take a series of courses, along with a 2 week Senior Summer Experience in which students experience elements of entrepreneurship and business with visits to local companies followed by workshops on relevant topics in the business world.

Students are required to take four of the five following courses in business: Internship (available to certain Juniors in the program – otherwise restricted to Senior year); Entrepreneurship; Accounting; Desktop Publishing; and Practical Law. Additionally, all candidates must participate in the Senior Summer Experience to be eligible for the WLB Certificate.
General Information

All students will also be required to participate in cohort activities throughout the school year, including the 43 North competition and local workshops. A mentor will also be provided for any student who desires one, and participation in our business club is highly recommended.

**INTERNATIONAL BACCALAUREATE PROGRAMME**

The International Baccalaureate Diploma Programme (IBDP) is a challenging, two-year comprehensive program for students in grades 11 and 12 who are interested in gaining this internationally acclaimed diploma. Some of the benefits of the IBDP are participation in a curriculum with breadth and depth that is recognized by colleges and universities worldwide as the “gold standard” college preparatory program; recognition by admissions offices as an indicator of commitment to high level academic study; and college credit and/or advanced placement in college classes based on IB exam scores and completion of the full diploma program. There is a strong emphasis on critical thinking, writing and research skill development.

Students in the IB program take IB specified courses over a two-year period. Students will earn a NYS Regents diploma in addition to the IB diploma. IB assessments are both internal and external. Scores on these exams are based on a scale of 1-7 points. Students must accumulate a minimum of 24 out of a possible 45 points to earn the full diploma. In addition to the program assessments, students must also write a 4,000 word extended essay (EE) on a topic of their choice and complete hours in the areas of creativity, activity and service (CAS). Each year students will take 6 discipline-based academic courses and a core course of the program, Theory of Knowledge.

A strong academic program is central to this diploma program, and teachers also commit to developing attributes contained in the IB Learner Profile. IB learners strive to be inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced and reflective.

Students are initially identified at the completion of their freshman year and are counseled so that they complete the required courses for entry into the program. These are Algebra II, Chemistry; and French III, Spanish III, Accelerated Latin II (with an 85% or higher on the Regents); or Mandarin II.
SHA GRADUATION & REGENTS DIPLOMA REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
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</tr>
<tr>
<td>Social Studies</td>
<td>4</td>
</tr>
<tr>
<td>World &amp; Classical Languages</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Science *</td>
<td>3</td>
</tr>
<tr>
<td>Art, Music, Dance</td>
<td>1</td>
</tr>
<tr>
<td>Health</td>
<td>0.5</td>
</tr>
<tr>
<td>Technology</td>
<td>1</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Additional Credits</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>

In addition to the credit bearing classes listed above, Leadership Studies, Student Seminars, and Footprints (service) are requirements for graduation, but do not contribute to the 27 credits needed for graduation.

* All Sacred Heart students are required to take a course in Living Environment, Chemistry, and Physics prior to graduation. All students are encouraged to study science for four years.

Students enrolled in the IB Diploma Programme are not mandated to take Physics and may choose it as an elective course.
REGENTS EXAM REQUIREMENTS FOR DIPLOMA TYPES OFFERED AT SHA

To receive a REGENTS DIPLOMA WITH ADVANCED DESIGNATION, students must pass the following Regents exams with a score of 65% or above. Required exams are:

- English Language Arts
- Algebra I
- Geometry
- Algebra II
- Global History and Geography
- US History & Government
- Science (2 exams – 1 in Living Environment - Biology AND 1 in Chemistry, Earth Science OR Physics)
- A World & Classical Languages local examination

To receive a REGENTS DIPLOMA WITH ADVANCED DESIGNATION WITH HONORS, a student must achieve an average of 90% in all exams that are required for a Regents Diploma with Advanced Designation.

To receive a REGENTS DIPLOMA, students must pass the following Regents exams with a score of 65% or above. Required exams are:

- English Language Arts
- Algebra I
- Global History and Geography
- US History & Government
- The Living Environment - Biology

To receive a REGENTS DIPLOMA WITH HONORS, a student must achieve an average of 90% in all exams that are required for a Regents Diploma.

A designation of Mastery in Mathematics is available for a student with three (3) Regents Mathematics exam scores of 85% or better. This will be noted on the diploma.

A designation of Mastery in Science is available for a student with three (3) Regents Science exams scores of 85% or better. This will be noted on the diploma.

All students who fail a Regents examination are REQUIRED to retake the exam in August of that year in order to return to SHA. If a student does not pass in August, a plan will be made in writing for the exam to be challenged again either in January or June. Additionally, a student who passes an exam with a score less than 85% is encouraged to talk to her counselor to determine if she should challenge that Regents examination again in order to earn a Regents Diploma with Honors (average of 90%).
Students enrolled in the IB program receive quarterly and final grades in all courses. Their internal and external program assessment scores will be used for the purpose of accruing points toward the IB Diploma. The point system is explained in the paragraphs below.

For each course students take an external exam in the second year of the program. Grades range from 1 to 7, with 7 being the highest score available. A student’s final diploma score at the end of two years is out of 45 points of which 42 are made up of the combined scores for each of the six subjects.

The remaining three possible points come from the successful completion of the Diploma Program Core: Theory of Knowledge (TOK), Extended Essay (EE), and Creativity, Activity and Service (CAS).

TOK and EE are graded A-E, with A being the highest grade. These two grades are then combined in the diploma points matrix to contribute between 0 and 3 points to the total. CAS is not assessed but must be completed in order to receive the diploma.

The overall maximum points from subject grades, TOK and the EE is therefore 45: (6 x 7) + 3. The minimum threshold for the award of the diploma is 24 points. If a candidate scores less than 24 points, the diploma is not awarded.

The diploma is awarded to students who gain at least 24 points, subject to certain minimum levels of performance including successful completion of the three essential elements of the DP core.

**Diploma Points Matrix (May 2015 onwards)**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Theory of Knowledge</th>
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<tbody>
<tr>
<td>A</td>
<td>Grade A</td>
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<td></td>
<td>Grade B</td>
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<td></td>
<td>Grade C</td>
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<tr>
<td></td>
<td>Grade D</td>
</tr>
<tr>
<td>Grade A</td>
<td>Failing Condition</td>
</tr>
<tr>
<td>Grade B</td>
<td>Failing Condition</td>
</tr>
<tr>
<td>Grade C</td>
<td>Failing Condition</td>
</tr>
<tr>
<td>Grade D</td>
<td>Failing Condition</td>
</tr>
<tr>
<td>Grade E</td>
<td>Failing Condition</td>
</tr>
<tr>
<td>No Grade</td>
<td>Failing Condition</td>
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Course Offerings

Legend:

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<th>cr.</th>
<th>- Credit</th>
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<th>- Prerequisite required</th>
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<tbody>
<tr>
<td>S</td>
<td>- Semester course</td>
<td>1D</td>
<td>- Course offered one day per cycle</td>
</tr>
<tr>
<td>F</td>
<td>- Full year course</td>
<td>2D/3D</td>
<td>- Course offered two/ three days per cycle</td>
</tr>
<tr>
<td>2F</td>
<td>- 2 Full years course</td>
<td>4D/5D</td>
<td>- Course offered four/five days per cycle</td>
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</tbody>
</table>

The offering of certain advanced level and elective courses is contingent upon the number of students enrolled, based on the collaborative discretion of administration and department chairpersons.

ART

Since its beginning in 1877 in Buffalo, New York, Buffalo Academy of the Sacred Heart has placed the Fine Arts in key positions in the curriculum. Students have the opportunity to take beginner courses and move into advanced level courses while building technical skill and advancing their creativity.

6110 INTRODUCTION TO ART (0.5 cr., 3D, F) or
6120 STUDIO IN ART (1 cr., F)
These are both introductory courses to familiarize students at all levels with various aspects of art. The focus is fundamental development of both technical skill and creativity by exploring properties of various media. Participants will enjoy a variety of two and three dimensional creative art experiences using different techniques and media. Students will learn the language of art and develop an appreciation of art by studying various artists and their work. Note: Introduction to Art meets three days in the cycle, .5 credit. Studio in Art meets every day in the cycle, 1 credit.

6160 CERAMICS (0.5 cr., S)
6161 CERAMICS (0.5 cr., 3D, F)
Hand-building stoneware pottery according to traditional methods is balanced with freedom in creative expression. The total process from start to finished product will be explored. Students will learn the technical skill involved while creating, shaping, firing, drying and glazing their work. Students will be introduced to the potter’s wheel and basics of throwing.
PR: 6110 or 6120.

6162 ADVANCED CERAMICS (0.5 cr., S)
This course is a continuation and extension of basic pottery skills in a semi-independent setting. Opportunities are given for further exploration of hand-building techniques, in addition to working on the potter’s wheel. Personal style, mature technique, and creative approaches are expanded.
PR: 6110 or 6120 AND 6160 or 6161.
6106 DRAWING & COMPOSITION (.5 cr., 3D, F)
This is an intensive study of drawing with wet, dry and mixed media on a variety of two-dimensional surfaces. Opportunities for experimenting with tools, media, and techniques in rendering abstract, still-life, landscape, and other subjects are presented.
PR: 6110 or 6120.

6163 PAINTING (.5 cr., S)
6168 PAINTING (.5 cr., 3D, F)
Students develop basic skills involved in painting using acrylic, oil, and watercolor paint. Materials, techniques, color, skill development and various subject matter will be explored. A variety of artists and their paintings will be introduced. Students will gain experience and a foundational background using acrylic and oil paint.
PR: 6110 or 6120.

6165 ADVANCED PAINTING (.5 cr., S)
Serious and intensive work in acrylic, oil or watercolor is emphasized. Personal style, mature techniques, and creative approaches are expanded. Independent work and regular in-class/out-of-class assignments are required.
PR: 6110 or 6120 AND 6168.

6166 ADVANCED SEMINAR IN ART (.5 cr., Fall S)
This class is intended for students seriously considering pursuing art at a college level. It is a portfolio preparedness course designed to give students an overall view of what is needed to prepare a college art portfolio. Enhanced skill development and work on specific portfolio pieces will be emphasized.
PR: Three prior art courses and instructor approval.

6010 DIGITAL PHOTOGRAPHY (.5 cr., S)
6006 DIGITAL PHOTOGRAPHY (.5 cr., 3D, F)
This course will explore digital photography as a fine art medium. Students will be introduced to the fundamentals of digital photography while building technical skill and developing creative expression. Contemporary and historical photographers will be discussed. The relevance of digital images in today’s world and in everyday life will be explored. Using an iPad and DSLR camera, students will develop their photography skills, technique and style that will be shared in a variety of ways.
PR: 6110 or 6120.

6011 ADVANCED DIGITAL PHOTOGRAPHY (.5 cr., S)
6009 ADVANCED DIGITAL PHOTOGRAPHY (.5 cr., 3D, F)
This course is intended as a continuation of basic photography skills. Creativity, composition and editing of digital photography will be studied in further depth. Students will be introduced to the deeper meaning and spiritual aspects of photography.
PR: 6110 or 6120 AND 6010 or 6006.
6200  **STAINED GLASS DESIGN** (.5 cr., S)
The students will learn the following skills: stained glass window design, glass selection, how to cut, grind, and shape glass, how to copper foil glass in the Tiffany style and how to lead, solder and finish stained glass windows. They will make 2-3 stained glass windows. The students will also learn some stained glass history with local examples.
PR: Open to Junior and Senior students who have taken 6110 or 6120.

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**BUSINESS / TECHNOLOGY**

1057  **PUBLICATIONS DESIGN** (.5 cr., 3D, F)
This course covers all aspects of publishing the school yearbook including the layout design, copy writing, business and elements of photography and art.
PR: Open to Junior and Senior students with at least an 83% average and instructor approval. Juniors must maintain at least an 83% average to remain in the course for Senior year. Desktop Publishing is recommended.

3048  **CAREER INTERNSHIP** (.5 cr., S)
The course provides students with an opportunity to work with and observe professionals in a field of the student's interest. The Internship teacher will arrange a suitable placement for the student. Students will spend three afternoons per week (or the equivalent) at the workplace and one class period a week at Sacred Heart. Students must provide their own transportation to the internship site. Class sessions address workplace situations and problems, resume writing, appropriate professional dress, workplace hierarchy, business entertaining, and career preparation. Guest speakers lend their expertise to several classes.
PR: Seniors: Interview, instructor approval and minimum GPA of 2.8.
Juniors: Students must have a 3.4 average, be participants in the Women in Leadership & Business Certificate Program, interview, have instructor approval and commit to a 2 hour orientation. Students also represent they will not have an outside job requiring more than 10 hours/week.

3056  **ADVANCED COMPUTER APPLICATIONS** (.5 cr., 3D, F)

3061  **ADVANCED COMPUTER APPLICATIONS** (.5 cr., S)
This course will provide further instruction in database management, the development of spreadsheets, and the use of the Internet. Students will take apart a computer and learn to add or remove hardware features. They will use Excel to create and enhance spreadsheets and to perform calculations on data. Using Access, they will learn to design basic databases, to perform queries, and to create reports. They will do a variety of projects and activities useful for educational, personal, and business purposes.
3055  DESKTOP PUBLISHING (.5 cr., 3D, F)
3063  DESKTOP PUBLISHING (.5 cr., S)
Part of the Women in Leadership & Business curriculum, the course will provide in-depth experience in using a computer to create attractive documents and presentations. Word, PowerPoint, and In Design will be used to illustrate formatting, fonts, tables, columns, color and the use of graphics, Macromedia Fireworks will be used to illustrate a variety of photo editing techniques. Students will learn to work with graphics and text taken from a digital camera, scanner, or digital sources. Students will add artwork and/or graphics to a presentation or document.

9026  ACCOUNTING (.5 cr., 3D, F)
Part of the Women in Leadership & Business curriculum, students who take this course will develop basic accounting competencies and be able to demonstrate knowledge of the accounting cycle. Upon completing this course students will be able to analyze transactions, journalize and post into a ledger, and prepare financial statements. Open to Sophomores, Juniors and Seniors.

3026  ENTREPRENEURSHIP (.5 cr., 3D, F)
Part of the Women in Leadership & Business curriculum, in this course students will generate business ideas, conduct market research, write business plans, pitch to a panel of investors, and launch their very own companies. This class will include local business guest lecturers and dynamic field trips to local companies. Class may include time after school hours. The class is open to Sophomores, Juniors & Seniors.

3057  EXPLORING TECHNOLOGY (.5 cr., 3D, F)
Not sure which technology field or class to explore or spend an entire semester in? This class is designed for you. We will be looking at and exploring four main technology fields. This course will focus on Hardware Design/Programming, Database Analytics, Internet/Website Creation and Digital Design. Classes are available at SHA to continue learning in these fields.

3089  3D DESIGN & COMPUTER ANIMATION I (.5 cr., 3D, F)
The course will provide in-depth experiences in using a computer to create and manipulate objects within a 3D environment. The program Blender will be used to create, sculpt, edit and animate objects, providing a base understanding and application of the program within various fields of study. This course includes learning how to take advantage of 3D printing, animated movie creations and still photo creations. This will be a project based class.

3090  3D DESIGN & COMPUTER ANIMATION II (.5 cr., 3D, F)
This workshop style class will explore putting basic Blender design components together to design a full animated short film created by the students. Upon completion of this class students will have created a story and used story boarding, character creation, set creation, and character animation to produce a finished film. PR: 3089.
3500 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (1 cr., F)
AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, this course prepares students for college and career in all disciplines. Students will investigate changes to many fields as a result of advancements in computing and develop skills to analyze and study large data sets to draw conclusions from trends. No prior computer science knowledge is required, but an interest in computing is strongly recommended.
PR: Participation as a Junior in the STEM program, 80% or higher in current math class, or permission of the teacher.

3501 ADVANCED PLACEMENT COMPUTER SCIENCE A (1 cr., F)
This is a full year programming course that uses the Java Language. The course introduces fundamental programming topics including problem solving, design strategies and methodologies, data structures, algorithms, analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design.
PR: Pass AP Computer Science Principles course, score 3 or higher on the AP Computer Science Principles exam, and permission of the instructor.

ENGLISH

1011 LITERATURE SURVEY I (1 cr., F)
This course is a study of the short story, the novel, poetry, drama, and Greek mythology. Students in this course will develop a mastery of basic grammar and refine their reading, speaking, and listening skills. Writing instruction in the course begins on the paragraph level and advances to the level of basic thesis essay writing. Course requirements include summer reading, independent reading, oral presentations, research assignments, tests, writing assessments, and vocabulary study. Students will utilize technology to advance research, communication, and presentation skills.

1016 LITERATURE SURVEY I E (1 cr., F)
This course covers all of the topics of Literature Survey I with additional classes offered three times each instructional cycle.
1012 LITERATURE SURVEY I HONORS (1 cr., F)
This course is a comprehensive study of the short story, the novel, poetry, drama, and mythology. Students in this course will develop a mastery of basic grammar and refine their reading, speaking, and listening skills. They will also read challenging texts and engage in critical analysis and literary interpretation of these texts. Writing instruction in the course begins on the paragraph level and advances to the level of basic thesis essay writing. Course requirements include summer reading, independent reading, oral presentations, research assignments, tests, writing assignments, and vocabulary study.
PR: Permission of the teacher based upon High School Placement test and current grades.

1021 LITERATURE SURVEY II (1 cr., F)
This course is a study of poetry, short stories, novels and plays. Students in this course will continue to build on reading and writing skills, grammar review, vocabulary, and oral communication. Course requirements include summer reading, independent reading, oral presentations, research assignments, tests, writing assignments, and vocabulary study.

1024 LITERATURE SURVEY II E (1 cr., F)
This course covers all of the topics of Literature Survey II with additional classes offered three times each instructional cycle.

1022 LITERATURE SURVEY II HONORS (1 cr., F)
This course is a comprehensive survey of short stories, novels, poetry and drama both contemporary and Shakespearean. Students in this course will concentrate on interpretative/analytical skills with extensive reinforcement of the mechanics of writing, grammar, oral communication, writing assignments, and vocabulary study. Course requirements include summer reading, independent reading, oral presentations, research assignments, tests, and vocabulary study. Students will take the Regents English Comprehensive exam at the completion of this course.
PR: Students wishing to advance from Lit. Survey I to Lit. Survey II Honors must meet the following requirements: a 95% or higher average in Lit. Survey I, and, regardless of their current average, must complete an assigned essay and receive instructor approval from both their current Lit. I Instructor and the Lit. II Honors Instructor.

Students advancing from Lit. Survey I Honors to Lit. Survey II Honors must meet the following requirement: 90% or higher average in Lit. Survey I Honors and instructor approval.
Course Offerings

9001 AMERICAN LITERATURE REGENTS (1 cr., F)
This course is a study of American literature and American writers, past and present with a concentration on major novels, plays, biographies, poetry, essays, articles, and short stories. The course emphasizes critical thinking, analytical writing, and vocabulary development. Course requirements include summer reading, independent reading, oral presentations, research assignments, tests, writing assignments, and the New York State Regents Examination.

1055 ADVANCED PLACEMENT IN ENGLISH LANGUAGE & COMPOSITION (1 cr., F)
This is a college level course that focuses on reading complex texts and understanding the relationship between style and substance. Students in this AP course will engage in the close reading of texts in American literature and will analyze the writer’s language to discover his or her purpose. In addition, students will hone their own writing skills by practicing a variety of forms, including narrative, expository, and argumentative. All students who take this course will take the AP English Language and Composition Examination as well as New York State’s English Regents Examination. A fee is required.
PR: Juniors enrolled in Lit. Survey II Honors must obtain a 90% or higher average; PSAT verbal score must be 580 or higher. Final acceptance is subject to both current instructor and AP English Language Instructor’s approval.

1055S ADVANCED PLACEMENT IN ENGLISH LANGUAGE & COMPOSITION (1 cr., F)
This is a college level course that focuses on reading complex texts and understanding the relationship between style and substance. Students in this AP course will engage in the close reading of texts in American literature and will analyze the writer’s language to discover his or her purpose. In addition, students will hone their own writing skills by practicing a variety of forms, including narrative, expository, and argumentative. All students who take this course will take the English Language and Composition Examination. A fee is required.
PR: Course open to Seniors who have a 90% or higher average in English; PSAT or SAT verbal score must be 600 or higher. Final acceptance is subject to both current instructor and AP English Language Instructor’s approval.

1047 HIGHLIGHTS OF BRITISH & WORLD LITERATURE (1 cr., F)
This is a survey of British and World literature from the ancient Greeks to the twentieth century. Emphasis will be placed on vocabulary development, essay writing skills and critical analysis. Course requirements include summer reading, independent reading, oral presentations, research assignments, writing assignments, and tests.
Course Offerings

1050 ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION (1 cr., F)
This college level course, taught seminar style, engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Course requirements include summer reading and the Advanced Placement Exam. A fee is required.
PR: Seniors with a 90% or higher average in both Lit. II and AP English Language and Composition. Final acceptance is subject to both current instructor and AP Literature instructor’s approval.

8705 IB LANGUAGE & LITERATURE HL (2 cr., 2F)
8706 This course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text-types. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The three areas of exploration of the course allow the student to explore the language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and the ability to present their ideas effectively. A key aim is the development of critical literacy.
PR: Students must have been accepted into the IB Diploma program and have successfully completed Literature Survey II.

ENGLISH ELECTIVES

1041 CREATIVE WRITING & THE HUMANITIES (.5 cr., S)
In this course students will explore various genres of creative writing including poetry, short stories and children’s stories. Students will develop skills in the art of vivid description and the use of a variety of literary devices and techniques to create distinctive, vivid and imaginative pieces. The course requires a journal, long term projects, and daily writing.
PR: 73% or higher average in Literature Survey I, II. The class is open to Juniors and Seniors.

HEALTH

4043 HEALTH (.5 cr., 3D, F)
Students will be introduced to the wellness approach to health. This course stresses the necessary balance among the components of healthy living: the intellectual, physical, social, emotional, and spiritual. There is also a focus on current issues such as substance abuse, weight control, and tobacco use. Students will learn how to access information in order to solve health problems during their lifetime. This course will be taught as a blended course of online and in classroom instruction. Available to Sophomores, Juniors & Seniors.
* Students who are interested in taking Health as a summer course at SHA should inform their counselors of their interest at the time of registration.

**Leadership & Seminar Studies**

Each year students at Sacred Heart participate in grade level seminars. These seminars focus on discussion of topics important to their full development as young women prepared to enter college or careers upon graduation.

Leadership is based on a servant leadership model and is integral to every student’s learning experience. Through a variety of education approaches: formal presentations; experiential learning; and self-awareness exercises, our students develop competencies that will serve them and their communities now and in the future. Students will explore proven concepts and techniques in teen effective leadership and will study and report on leadership in action focusing on current and historical female figures. Seniors will immerse themselves in a multifaceted, group leadership project as they prepare to make a positive impact on the world.

Career exploration and college guidance is another critical component of the seminar series. Counselors introduce students to Naviance’s Family Connection, which is a comprehensive website for exploring careers and researching college options. PSAT results are reviewed and students learn how to wisely prepare for taking SATs and ACTs. Students will write an activities resume, complete a career interest profiler and will be introduced to the college application process. In senior year, students will complete applications and apply for scholarships.

Social-emotional health is critical to overall student confidence and success. Seminars develop the core competencies of self-awareness, social awareness, conflict resolution and self-management, responsible decision-making, and relationship skills. Mindfulness is part of this continuum. Meditation exercises assist with concentration and stress reduction. Social awareness and relationship skills include discussion of the strengths of our diverse cultural, racial, and ethnic heritages and traditions.

0016  FRESHWOMAN SEMINAR / LEADERSHIP (1D, F)
0017  SOPHOMORE SEMINAR / LEADERSHIP  (1D, F)
0018  JUNIOR SEMINAR / LEADERSHIP I (1D, S)
0020  JUNIOR SEMINAR / LEADERSHIP II (1D, S)
0019  SENIOR SEMINAR / LEADERSHIP I (1D, S)
0021  SENIOR SEMINAR / LEADERSHIP II (1D, S)
Course Offerings

MATHEMATICS

Each student must pass the Algebra I Regents exam in order to graduate. It is our goal and expectation that all of our students will successfully complete the Regents Algebra I, Geometry and Algebra II assessments in order to graduate with an Advanced Designation Regents Diploma. Students are required to have a TI-84 Plus CE Calculator for all math courses.

3112 ALGEBRA I (1 cr., F)
Some of the topics covered in this course include linear relationships, solving equations and inequalities, radicals, exponential relationships, quadratics, series and sequences, and introductory statistics. Students will be taught to investigate, reason, argue, justify, prove and apply the various concepts covered. Students will take the Algebra I Regents Exam at the conclusion of this course.

3013 ALGEBRA I EXTENDED (1 cr., F)
This course covers all of the topics of Algebra I with additional classes offered three times each instructional cycle.
PR: Selection based on High School Placement Test and current grades.

3113 GEOMETRY (1 cr., F)
Some of the topics covered in this course are congruence and similarity of triangles, transformations, coordinate geometry, and properties of triangles, quadrilaterals, and circles. Students will be required to use traditional geometric tools as well as technological means that model these tools more efficiently and accurately to prove both formally and informally that the conclusions made logically follow the conjectures made about various geometric situations.
PR: Freshwomen: 80% or higher on the Algebra I Regents.
     Sophomores: Pass Algebra I.

3118 GEOMETRY EXTENDED (1 cr., F)
This course covers all of the topics of Geometry with additional classes offered three times each instructional cycle.
PR: Recommendation of Algebra I teacher.

3115 GEOMETRY HONORS (1 cr., F)
This course follows the topics of Geometry Regents but delves deeper into many concepts. Topics in Honors are pursued in greater depth and move at a more rapid pace than Regents. The expectations placed on Honors students are greater. Each student is expected to go beyond what is discussed in class.
PR: Freshwomen: 85% or higher on the Algebra Regents exam.
     Sophomores: A 93% or higher average in Algebra I and a score of 85% or higher on the Algebra I Regents exam and recommendation of the Algebra I teacher.
**Course Offerings**

3091  **ALGEBRA II (1 cr., F)**
This is the third course in the Regents math sequence. The topics of algebra, probability and statistics, functions, logarithms, exponents, complex numbers, series and sequence, trigonometric function groups, equations and applications will be covered.
PR: Pass the courses and Regents Exams in Algebra I & Geometry.

3092  **ALGEBRA II HONORS (1 cr., F)**
This course covers all of the topics of Algebra II. In addition, students will be challenged with more difficult problems that cross over into Pre-Calculus.
PR: Overall 93% or higher average in Geometry; pass Algebra I & Geometry Regents exams, each with a score of 85% or higher and recommendation of the Geometry teacher.

3093  **ALGEBRA II EXTENDED (1 cr., F)**
This course covers all of the topics of Algebra II with additional classes offered three times each instructional cycle.
PR: Recommendation of Geometry teacher.

3009  **FINANCIAL ALGEBRA (1 cr., F)**
Students will learn about the applications of the math they have encountered in Algebra I, Geometry, and Algebra II with a financial focus. The content is based in everyday uses of mathematics such as the stock market, purchasing a car or insurance, creating a household budget, and income tax. Through these applications, students study piece-wise functions, regression, exponential functions, and systems of equations, among other topics.
PR: Passed Algebra I, Geometry, and Algebra II courses.

3085  **PRE-CALCULUS (1 cr., F)**
This course offers enrichment in advanced mathematics, an introduction to calculus, analytic geometry, vectors, probability, statistics, and functions. Students have the option to earn credit from NCCC for an additional fee.
PR: Overall 80% or higher average in Algebra II or an overall 90% or higher average in Algebra II Extended with recommendation of the Algebra II teacher or an overall 93% or higher average in Financial Algebra; pass all math Regents exams.

3023  **INTRODUCTION TO STATISTICS (1 cr., F)**
This course is an introduction to college-level statistics. Students will develop critical questions concerning the data which is prevalent in today’s society. Topics studied include graphical displays of univariate and bivariate data, descriptive measures, probability, discrete and continuous random variables, and an introduction into the world of estimation and hypothesis testing. This course emphasizes statistical literacy and using statistics to describe real data.
PR: Passed Algebra I, Geometry, and Algebra II courses.
Course Offerings

3067  PRE-CALCULUS HONORS (1 cr., F)
This course covers all the material of Pre-Calculus. In addition, students will be
challenged with more difficult problems and some additional study and applications
in related math topics such as conic sections. This course will prepare students to take
the AP Calculus course.
PR:  93% or higher average in Algebra II, pass all math Regents exams and earn 85%
or higher on Algebra 2 Regents.

3083  PRE-CALCULUS HONORS SUMMER (1 cr., Summer)
This course covers all the material of Pre-Calculus Honors in a four week time period
over the summer. The main focus is to prepare students to take the AP Calculus course
the following fall.
PR:  Participation in the STEM Honors cohort or by invitation of instructor.

3052  CALCULUS (1 cr., F)
This class offers preparation for college level calculus. Topics include limits and
continuity, differential and integral calculus of functions of one variable. Students will
not be prepared for the AP exam at the end of the year as this is not a college level
course.
PR:  The recommendation of the Pre-Calculus teacher.

3050  ADVANCED PLACEMENT CALCULUS - AB (1 cr., F)
This is a college level course in differential and integral calculus. Students are required
to take the Advanced Placement examination. A fee is involved.
Homework:  3 hours per week
PR:  90% or higher average in Pre-Calculus or the recommendation of the
Pre-Calculus teacher.

3086  ADVANCED PLACEMENT CALCULUS - AB (1 cr., F)
This course follows the Pre-Calculus Honors Summer course. This is a college level
course in differential and integral calculus. Students are required to take the
Advanced Placement examination. A fee is involved.
PR:  90% or higher average in Pre-Calculus or the recommendation of the
Pre-Calculus teacher.

3087  ADVANCED PLACEMENT CALCULUS - BC (1 cr., F)
This is a college level course in differential and integral calculus that extends the AP
Calculus AB curriculum to cover material from Calculus I & II. Also, students will explore
other college level math topics such as linear algebra and differential equations.
Students are required to take the Advanced Placement BC examination which
includes an AB subscore. A fee is involved.
Homework:  3 hours per week
PR:  90% or higher average in AP Calculus AB and teacher recommendation.
Course Offerings

3080 ADVANCED PLACEMENT STATISTICS (1 cr., F)
AP Statistics is the equivalent of a one-semester college statistics course. In this course, students are introduced to four main conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. This course requires students to be able to communicate effectively, think critically, and develop problem-solving techniques. Students are required to take the Advanced Placement examination in May. A fee is involved.
Homework: 4 hours per week
PR: 93% or higher average in Algebra II or Pre-Calculus or departmental recommendation. All Junior students must have completed or be enrolled in pre-calculus concurrently with AP Statistics.

8703 IB MATHEMATICS: APPLICATIONS & INTERPRETATIONS SL (2 cr., 2F)
8704 This course will enable students to develop mathematical knowledge, concepts, and principles; develop logical, critical and creative thinking; and employ and refine their powers of abstraction and generalization through the study of topics including algebra, functions, geometry and trigonometry, statistics and probability, and calculus.
PR: Students must have been accepted into the IB Diploma program and have successfully completed the Algebra II Regents course.

Music / Dance

6513 WIND ENSEMBLE (.5 cr., 3D, F)
Wind Ensemble is open to students who have previous experience playing a woodwind, brass or percussion instruments. Bass players may also participate (with instructor’s permission). Music of various styles is studied and performed. Students will learn the fundamentals of performing in an ensemble including good tone, tuning and blend. The Wind Ensemble performs at music department concerts, school events and select festivals and competitions throughout the year. All students with an interest in music and previous experience are strongly encouraged to join.
Course Offerings

6903 SACRED HEART ACADEMY CHORALE (.5 cr., 3D, F)
6535 SACRED HEART ACADEMY CHAMBER SINGERS (1 cr., 4D, F)
SHA Chorale is a vocal ensemble for anyone with a desire to sing a variety of music of various styles (pop, acapella, musical theatre, jazz, classical, and contemporary). Students learn to master the fundamentals of choral singing such as pitch matching, diction, breath control, harmonization and blend. All students with an interest in music are strongly encouraged to join. SHA Chorale participates in several performances a year, including school concerts, Masses, and Music Festivals.

Students in SHA Chorale with previous vocal experience will be encouraged to audition for the SHA Chamber Singers, a select vocal ensemble, specializing in challenging multi-part musical literature from varied sources including classical, popular, jazz and Broadway. Students accepted in the SHA Chamber Singers will meet separately (1 or 2 of the 4 classes per cycle) and will focus on the development of advanced choral techniques such as the fundamentals of voice production, diction, and languages. This ensemble will rehearse a more advanced repertoire. The SHA Chamber Singers perform at a variety of departmental and community venues and participate in both the NYSSMA and ECMEA festivals. Performances are mandatory and are assessed as part of the overall participation grade.
PR: For Chamber Singers - Audition and permission of instructor. Prior vocal experience is required in addition to a basic understanding of tone production, sight singing, pitch matching, basic music theory, and the ability to sing in harmony.

6543 STRING ENSEMBLE (.5 cr., 3D, F)
String Ensemble is open to students who have previous experience playing a violin, viola, cello, string bass, guitar, percussion and piano. Music of various styles is studied and performed at music department concerts, school events and select festivals and competitions throughout the year. Proper string technique is emphasized including tone, tuning, bowing styles and blend. In addition to performing music for string orchestra, students have the opportunity to perform in smaller chamber ensembles (i.e. quartets, trios, duets) which help to meet the technical level and potential of each student. All students with an interest in music and previous experience are strongly encouraged to join.

Other ensembles are assembled according to the interests and abilities of students in the music program.


INSTRUMENTAL & VOCAL LESSONS (.25 cr., 1-2D, F)
Students may take instrumental and vocal lessons for credit. Lessons on all instruments are offered to beginning, intermediate, and advanced students. Students will learn and demonstrate the fundamentals of performance standards on a chosen instrument/voice. All students who enroll in private lessons are required to perform twice a year at department recitals, held usually in January and May. There is a fee for this course.

68BA BANJO
68BT BARITONE
684B BASS
68BG BASS GUITAR
68BN BASSOON
68CO CELLO
684C CLARINET
684F FLUTE

68FH FRENCH HORN
684G GUITAR
684H HARP
684O OBOE
684M MANDOLIN
684D PERCUSSION
684P PIANO (permission of instructor)

684S SAXOPHONE
68TR TROMBONE
684T TRUMPET
68TB TUBA
684U UKULELE
68VA VIOLA
68VN VIOLIN
684V VOICE

Instruction on other instruments not listed is also available. Membership in an ensemble is expected for the fullest development of instrumental and voice study.

6007 MUSICAL THEATER (.5 cr., 3D, F)
This course will introduce students to the fundamentals that comprise the well-rounded performer. Topics include basic music theory, history of musical theater, vocal technique, acting, stage presence, production, and dance. No previous experience is necessary. The purchase of dance shoes and black yoga pants is required. This class is a great way to improve your auditioning and improvisation skills. The class will be given opportunity to perform throughout the school year at departmental concerts and other events.

6008 ADVANCED MUSICAL THEATER (.5 cr., 3D, F)
This course will be a continuation of the fundamentals which students were introduced to in Musical Theater. This is a performance based class. Students will survey the history of musical theater and will study a wide variety of songs, dialogue and dance styles. Evaluations will also be established through written assignments such as critiques, analysis and reflection. This class will build on each student's acting, singing and movement/dance skills. This class will be expected to perform throughout the school year at departmental concerts and events. The purchase of dance shoes and black yoga pants is required.

PR: 6007 and audition required.
Course Offerings

6902  **SONG WRITING & MUSIC COMPOSITION** (.25 cr., 1D, F)
This class will enable students to learn basic skills needed to write songs and other
music compositions. Students will be introduced to chord structures and progressions,
song structures, introductory lyric writing, and studio production techniques, as well
have as the opportunity to explore new technologies in music making. Performance
opportunities will be created for new compositions to be performed. Prerequisites
necessary for success in this course include: basic understanding of music theory
including note names, rhythms, and chords. Students must have access to an
instrument such as piano or keyboard, guitar, or ukulele for composition, and a basic
ability to sing. If enrollment is too limited to offer this as a course, it will be offered as an
individual private lesson for an additional fee.

6075  **BEGINNING PIANO CLASS** (.5 cr., 3D, F)
Students with no prior keyboard experience are encouraged to enroll in this enriching
course, which introduces the fundamentals of technique, chord playing, note reading,
rhythm, and improvisation. At the conclusion of the school year students may
continue with either Advanced Piano Class or private piano lessons. Classes are
taught in a digital piano lab located in Clare Music Hall.

6076  **ADVANCED PIANO CLASS** (.5 cr., 3D, F)
Advanced Piano students build upon their existing piano skills and work to further
develop their technique and mastery of the keyboard. Instruction is individualized to
each student’s level of experience. Scales, chord progressions, solo pieces and duets
are assigned according to individual and group needs. Classes are taught in a digital
piano lab located in Clare Music Hall.
PR: Beginning Piano Class or permission of instructor.

8037  **INTRODUCTION TO DANCE** (.5 cr., 3D, F)
This class will give students a broad understanding of dance through physical
participation. Dance classes teach basic skills in ballet, jazz, and hip hop dance
techniques. Designed to challenge all level dancers while not intimidating beginners,
the class will learn a series of combinations throughout the semester.

8038  **DANCE ENSEMBLE** (.5 cr., 3D, F)
This class is designed to challenge the intermediate/advanced dancer. It emphasizes
proper technique in all levels and styles of dance including ballet, lyrical, jazz, and hip
hop. These students will be given the opportunity to perform at functions throughout
the school year.
PR: Auditions are required.
Course Offerings

PHYSICAL EDUCATION

8010 FRESHWOMAN PHYSICAL EDUCATION (.5 cr., 3D, F)
Basic skills in volleyball, bowling, basketball, indoor soccer, badminton, and tennis are introduced. Units in the fitness room include weight training, cardio-respiratory exercise, pilates, and yoga. This course assists students to achieve a basic understanding of the need for physical exercise and general fitness, and begin to develop a personal fitness level.

8020 SOPHOMORE PHYSICAL EDUCATION (.5 cr., 3D, F)
In this course there is emphasis on team techniques and refinement of skills learned in individual and team sports and continued instruction in the fitness room.

8030 JUNIOR/SENIOR PHYSICAL EDUCATION (.5 cr., 2D, F)
Individual and team skills are reviewed and practiced with emphasis on team performance and strategies. Continued instruction in the fitness room and development of individual personal fitness plans.

Seniors will have the option of choosing between regular Junior/Senior Physical Education (8030) or:

8046 FITNESS ROOM (.5 cr., 2D, F)
Students will be in the fitness room for the entire year covering cardiovascular exercise, weight training, use of cardio-equipment, yoga and pilates.

RELIGIOUS STUDIES

St. Francis and St. Clare, our patrons, are an inspiration to our young women. Their rich heritage, lives, vision and personal writings are incorporated in each of the four years of our religion curriculum.

This foundation and inspiration guide our thinking, teaching and learning and the energy of St. Francis and St. Clare lives on in our 21st century community.
7011 RELIGION 9 – HEBREW SCRIPTURES/SACRAMENTS (1 cr., 3D, F)
As we study the Hebrew Scriptures, we explore the story of our salvation through the patriarchs, kings and prophets of God. Their stories are our heritage, and the themes of faith, covenant and journey in their lives continue in ours. We look for God in our lives guided by these role models and the messages of God’s Word.

Sacraments are studied as personal and communal encounters with Christ. We seek to discover how human life itself is sacramental and how rituals of the sacraments celebrate our relationship with God and His values for our lives. Special attention is paid to the celebration of the Sacrament of the Eucharist in the Holy Mass. As Catholics, Mass is our highest form of prayer and communion.

We trace our unique heritage as Sacred Heart Academy and the legacy of our founding order, The Sisters of St. Francis of Penance and Christian Charity. We immerse ourselves with stories of their bravery and courage, and continue in their vision for providing young women with a challenging, rigorous and spirit-filled education. Additionally, we look at the captivating lives of St. Francis and St. Clare, who gave everything in service of the Gospel. We recognize their immense impact on the greater world and Church, but also their continued inspiration for our lives and our community steeped in Franciscan Spirituality.

7021 RELIGION 10 – JESUS CHRIST: HIS MISSION & MINISTRY (1 cr., 4D, F)
Sophomores study Jesus’ ministry and mission while learning about His teachings about God the Father, the Trinity, Mary, and the Holy Spirit. Students learn that the goal of discipleship is a life of grace and holiness as we are called to serve our brothers and sisters. The course will highlight how we are called to respond to the message of Jesus and how we can encourage one another to pick up our crosses and follow the Lord in this life and beyond. A unit on Dating, Sexuality and Relationships is also covered highlighting healthy relationships and skills to equip young women today.

7042 RELIGION 11 – WORLD RELIGIONS (.5 cr., 4D, S)
Students will study Hinduism, Buddhism, Judiasm, and Islam, exploring their origins, beliefs, sacred texts, aspects of worship, life rituals, holidays, and other distinctives. The course culminates in research projects on various contemporary religious practices ranging from Baha’i to American cults to Confucianism. Filled with knowledge and a respect for beliefs different from our own, in the true Franciscan tradition, students will have a deeper understanding of and appreciation for what it means to be an adherent of another faith.
7043 RELIGION 11 – CATHOLIC SOCIAL TEACHING (.5 cr., 4D, S)
Students are introduced to the concept of Catholic Social Teaching and its manifestations in the world today by examining the history of papal encyclicals and the seven themes of CST. Using “The Life and Dignity of the Human Person” as our framework, students will explore topics include death penalty, poverty, dignity of work, refugees, solidarity, and stewardship of God’s creation. By examining contemporary issues of injustice, students will discover how the Gospel of Jesus can shape moral choices and advance social justice for all of God’s children.

7049 RELIGION 12 – CHRISTIAN CHOICES (.5 cr., 2D, F)
In this course, the students will reflect on the influences of family, Church, and society which are forming her personal belief system. She will consider how Gospel values can assist her in facing the challenges of adult life. There is a strong emphasis on understanding one’s personal foundations for a solid Christian life, and exploring many moral issues in society in light of the Gospel. Students will be challenged to critically approach a number of real-life topics they may face as they get older. There is an emphasis on discussion during class as well as personal written reflection time to process the concepts from class.

7050 RELIGION 12 – WOMANHOOD AND SPIRITUALITY (.5 cr., 2D, F)
Women & Spirituality is a spiritual tune-up for young women on the verge of adulthood. Students take the lessons they have learned in religion classes over the past three years at Sacred Heart, and apply them to real-life situations. Through open and honest discussions, students discover how to live a life of joy, generosity, love, and bravery...the kind of life God wants for us. Using the Bible-based daily devotional Jesus Calling as a guide, students challenge themselves to find their own authentic voices, to walk courageously in faith, and to love themselves the way God loves them. Senior year is a time of transition and anxiety, so this course seeks to alleviate stress by teaching self-care skills, promoting creative pursuits, and committing to weekly gratitude journaling. Students also explore characteristics of healthy friendships and romantic relationships, so they head to college understanding how to create safe boundaries. The Women & Spirituality course is, essentially, Holy Spirit-led, faith-based life-coaching, inspiring students to set goals, follow dreams, and embrace their true selves.
Course Offerings

8701 IB WORLD RELIGIONS SL (2 cr., 2F)
8702 This course provides a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions. Study is conducted in a scholarly, open-minded and objective way. Students will acquire a sense of what it is like to belong to a particular religion, and how that influences the way in which the followers of that religion understand the world, act in it, and relate and respond to others. The syllabus is guided by themes, key concepts, and key questions. An integral component is an investigative study, which provides opportunities for individual research of an aspect of the religious experience, practice or belief of a group and/or individual adherents.
PR: Students must have been accepted into the IB Diploma Program.

SCIENCE

Students must pass three years of science which must include Living Environment, and include a Chemistry course (either Regents or Conceptual Chemistry), and a Physics course (either Regents or Conceptual Physics).

9004 THE LIVING ENVIRONMENT-BIOLOGY REGENTS (1 cr., F—meets 8 times per cycle)
This course consists of the basic concepts of Biology as outlined in the Regents syllabus. Topics include the similarities and differences among living organisms, homeostasis, genetic continuity, reproduction and development, evolution, ecology, and the human impact on ecosystems. Students will be expected to develop scientific thinking skills as they apply theoretical course work to practical applications. 1,200 lab minutes (30 lab hours) are required for students to be eligible to take the Regents exam. Regents examination is required.

421H THE LIVING ENVIRONMENT-BIOLOGY REGENTS HONORS (1 cr., F—meets 8 times per cycle)
This course consists of the basic concepts of Biology as outlined in the Regents syllabus. However, Honors curriculum covers concepts in greater depth and detail. The course involves advanced readings in order to strengthen reading and comprehension across the curriculum and to better prepare students for future AP courses. Honors biology is designed for the science-oriented, high achieving students who may be considering a career in science. Areas of concentration include: the similarities and differences among living organisms, homeostasis, molecular genetics, reproduction and development, evolution, ecology and the human impact on ecosystems. This class will prepare students for the NYS Regents exam which will be taken in June.
1,200 lab minutes (30 lab hours) are required for students to be eligible to take the Regents exam.
Homework: 3 – 4 hours per week
PR: Permission of the teacher based on entrance exam scores and elementary school grade.
4041 ADVANCED PLACEMENT BIOLOGY (1 cr., F – meets 9 times per cycle)
This course is aligned to the College Board AP Biology Curriculum Framework and is based on Four Big Ideas, which encompass core scientific principles, theories and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data and construct arguments in a collaborative setting where they direct and monitor their progress. This course is designed to prepare students for the Biology College Board Advanced Placement Exam which takes place in early May. A fee is involved.
Homework: 6 – 8 hours per week
PR: Student must have completed Living Environment/Regents Biology and Regents Chemistry with a minimum 90% average in both courses. Students must have taken or be concurrently enrolled in Algebra II.

9005 CHEMISTRY REGENTS-THE PHYSICAL SETTING (1 cr., F – meets 8 times per cycle)
This course consists of a basic introduction to chemical principles and problem solving as outlined in the Regents syllabus. Topics include matter and energy, atomic structure, bonding, the periodic table, the mathematics of chemistry, kinetics and equilibrium, redox and electrochemistry, organic chemistry, and nuclear chemistry. Students will be expected to develop scientific thinking skills as they apply theoretical course work to practical applications, emphasizing mathematical problem solving and lab skills (both performance and data analysis). Quarterly projects are required; Regents examination and 1,200 minutes of lab work are required.
PR: Students must have completed Regents Living Environment and received a score of 85% or higher on the Regents exam. They must also have completed Algebra I with a minimum grade of 80% on the Algebra Regents exam.
Alternatively, students who complete Living Environment with a score less than 85% on the Regents exam and who complete Earth Science with a score of 85% or better on the Regents exam are eligible to take Chemistry Regents.

431H CHEMISTRY REGENTS HONORS-THE PHYSICAL SETTING (1 cr., F – meets 8 times per cycle)
This course consists of a basic introduction to chemical principles and problem solving as outlined in the Regents syllabus. In Honors Chemistry, students will have a more in-depth and rigorous introduction to chemistry, preparing them for AP courses. Students will be expected to develop more independent scientific thinking skills. Quarterly projects are required; Regents examination and 1,200 minutes of lab work are required.
PR: Students must have completed Regents Living Environment and received a score of 90% or higher on the Regents exam. They must also have completed Algebra I with a minimum grade of 85% on the Algebra Regents exam. The student must also have passed or be concurrently enrolled in Geometry.
4034  **PRE-AP CHEMISTRY** (1 cr., meets 4 weeks during the summer)
This course consists of a basic introduction to chemical principles and problem solving that are required for the AP Chemistry Course. Topics include matter and energy, atomic structure, bonding, the periodic table, mathematics of chemistry, kinetics and equilibrium, along with redox and electrochemistry. Students will be expected to develop scientific thinking skills as they apply theoretical work to practical applications, and emphasizing mathematical problem solving. Lab work will be performed in class.
Homework: 6 – 8 hours per week
PR: Course is by invitation only.

4033  **ADVANCED PLACEMENT CHEMISTRY** (1 cr., F – meets 9 times per cycle)
This course consists of material outlined in the Advanced Placement syllabus. Topics include a detailed study of the structure and states of matter, reactions, chemical kinetics, bonding, and descriptive chemistry. Students will be expected to develop independent scientific thinking skills as they apply theoretical course work to practical applications. Lab periods, and Advanced Placement exam are required. A fee is involved.
Homework: 6 – 8 hours per week
PR: Student must have received a minimum 90% average in Regents Chemistry. Students must have completed or be concurrently enrolled in Algebra II.

4035  **ADVANCED PLACEMENT CHEMISTRY** (1 cr., F – meets 9 times per cycle)
This course follows the Pre-AP Chemistry Summer course. This course consists of material outlined in the Advanced Placement syllabus. Topics include a detailed study of the structure and states of matter, reactions, chemical kinetics, bonding, and descriptive chemistry. Students will be expected to develop independent scientific thinking skills as they apply theoretical course work to practical applications. Lab periods, and Advanced Placement and New York State Chemistry Regents exam are required. A fee is involved.
Homework: 6 – 8 hours per week
PR: Student must have received at least a 90% average in Pre-AP Chemistry.

9007  **EARTH SCIENCE REGENTS-THE PHYSICAL SETTING** (1 cr., F – meets 8 times per cycle)
This course is designed for Sophomores. Course topics include an introduction to the Earth’s environment and its position in the universe; weather and climate; weathering and erosion; deposition; minerals, rocks and mineral resources; interpreting geologic history; and landscape development and environmental change. Earth Science emphasizes mathematical problem solving and lab skills on both performance and data analysis. Students will be expected to develop scientific thinking skills as they apply theoretical course work to practical applications. Regents examination, lab practical and 1,200 minutes of lab work are required.
PR: Pass Regents Living Environment (both the examination and the course) and Algebra I.
440H PHYSICS REGENTS HONORS-THE PHYSICAL SETTING (1 cr., F – meets 8 times per cycle)
This course consists of material outlined in the Regents syllabus. The topics of mechanics, energy, electricity and magnetism, wave phenomena, and modern physics will be covered in greater depth and rigor, thus preparing students for AP courses. Additional topics such as geometric optics and nuclear physics may also be addressed. Students will be expected to develop more independent scientific thinking skills as they apply theoretical course work to practical applications. Honors Physics puts a greater emphasis on mathematical problem solving and lab skills (both performance and data analysis). Regents examination and 1,200 minutes of lab work are required.
Homework: 3 – 4 hours per week
PR: Student must have completed the Physical Setting/Regents Chemistry with an 85% or better average. Student must have completed Regents Algebra 1 exam with a minimum score of 85% and Regents Geometry exam with a minimum score of 80%. Student must have passed or be concurrently enrolled in Algebra II.

4059 ADVANCED PLACEMENT PHYSICS C: MECHANICS (1 cr., F – meets 8 times per cycle)
This course consists of material outlined in the Advanced Placement Physics C syllabus. Course C serves as a foundation for students interested in pursuing a career in the physical sciences, mathematics, or engineering. Topics in Newtonian mechanics include kinematics; Newton’s laws of motion; work, power, and energy; systems of particles; circular motion and rotation; and oscillations and gravitation. Analytical thinking skills and in-depth problem solving employing the methods of calculus are stressed. A laboratory component is required. Advanced Placement examination is required. A fee is involved.
Homework: 6 – 8 hours per week
PR: Student must have received at least a 90% average in Physics Honors. Students must have received at least an 85% average in Pre-Calculus and be concurrently enrolled in Calculus or AP Calculus.

8715 IB BIOLOGY HL (2 cr., 2F)
8716 In this course, students will become aware of how scientists work and communicate with each other. Emphasis is on a practical approach to use of the scientific method. Through the overarching theme of the “Nature of Science,” knowledge and skills will be put into the context of the way science and scientists work on the 21st Century and the ethical debates and limitations of creative scientific endeavor. Students will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. Students develop skills to work independently on their own design, and also with others, to mirror the way in which scientific research is conducted in the wider community.
PR: Students must have been accepted into the IB Diploma Program and have successfully completed both Living Environment and Chemistry Regents courses.
SCIENCE ELECTIVES (OPEN TO JUNIORS & SENIORS)

4062 CONCEPTUAL CHEMISTRY (.5 cr., S)
This course presents an introduction to chemistry. Major topics include atomic theory, periodicity of elements, chemical bonding, equation manipulation, acids and bases. Lab is incorporated in the class.
PR: Student must have completed Regents Living Environment & Earth Science.

4061 CONCEPTUAL PHYSICS (.5 cr., S)
This course focuses on the practical application of physics. Topics to be covered will include, kinematics, Newtonian forces, work and energy. Lab is incorporated into the class.
PR: Student must have completed Living Environment & either Regents Chemistry, Conceptual Chemistry or Earth Science.

4057 ENVIRONMENTAL SCIENCE (.5 cr., S)
This course consists of an overview of Environmental Science. Students will develop an understanding of the global and local issues associated with food, water, and energy cycles and how they interact in the earth's ecosystem. Global climate change and its environmental impact on people and resources will be studied in detail. Students will also get a better understanding of the forces of nature and the environmental disasters they cause. From meteorological events to geological events, this course will delve into the underlying causes and the general effects of each disaster. This course is well-suited for the student who is interested in understanding the science pertaining to current environment issues and exploring possible solutions.
PR: Student must have completed 2 years of Regents Science and have completed or concurrently be enrolled in both a Chemistry and Physics course.

4015 FORENSIC SCIENCE (.5 cr., S)
This course consists of an overview of Forensic Science with an emphasis on scientific principles and techniques as they relate to criminal investigations. Students will develop a broad understanding of evidence collection and handling, laboratory techniques such as chromatography; microscopic and elemental analysis of tissue and fiber samples. Labs will be incorporated into the course and a crime scene will be developed.
PR: Student must have completed 2 years of Regents Science and have completed or concurrently be enrolled in both a Chemistry and a Physics course.
Course Offerings

4016 INTRODUCTION TO ENGINEERING (0.5 cr., S)
This project-based course will introduce the student to the engineering design process as applied to various disciplines of engineering such as mechanical, civil, electrical and environmental. Students will develop problem-solving and teamwork skills in addition to learning about different types of engineering careers. Each project will culminate in one or more of the following assessments: design and build project, research paper or essay, a written or oral report. This course is well-suited to the student who is considering a career in engineering and enjoys hands-on building projects.
PR: Student must have completed 2 years of Regents Science and have completed or concurrently be enrolled in both a Chemistry and Physics course.

4003 ANATOMY & PHYSIOLOGY (0.5 cr., S)
Anatomy and Physiology focuses on the structures and functions of ten human body systems - circulatory, respiratory, digestive, excretory, nervous, immune, endocrine, reproductive, skeletal, and muscular. Each body system is explored at multiple levels of organization. Additional focus is on conditions that impact the proper functioning of each of the ten body systems. Teaching strategies include a combination of lecture and laboratory work, including dissections. This course is well-suited for students with an interest in studying the human body systems and pursuing a career in medicine, nursing, physical therapy, occupational therapy, or health sciences.
PR: Student must have completed Regents Living Environment and Regents Chemistry courses with a minimum grade of 80%.

4071 EXERCISE PHYSIOLOGY & THE SCIENCE OF WELLNESS (0.5 cr., 3D, F)
Exercise Physiology is the study of the body's responses to physical activity, driven by the neuroendocrine system. These responses include changes in metabolism and in the physiology of the brain and other areas of the body like the lungs, heart, muscles, and structural changes in the mitochondria, (the powerhouse of our cells). The student will learn about the biochemical processes of respiration and energy production. This course offers a high-level curriculum engaging the student in areas of the brain-body connection, providing and explanation of the complexity of mood, motivation, and achievement, as it interfaces with diet and exercise. There will be heavy emphasis placed on the four key health behaviors necessary for the prevention and treatment of chronic disease: exercise, nutrition, sleep, and meditation. Students will learn how to develop a personalized prescription plan for the student-athlete, as well as for young adults and the aging population, using the health behaviors listed above. The class will learn how to conduct scientific experiments to test current theories and popular ideas surrounding diet, exercise, and overall well-being. The course is well-suited for those interested in pursuing a profession in nutrition, medicine, rehabilitation, behavioral psychology, or neurophysiology.
PR: Student must have completed. Regents Living Environment and Regents Chemistry courses with a minimum grade of 80%.
Course Offerings

SOCIAL STUDIES

2011 WORLD HISTORY 9 (1 cr., F)
A chronological study of the history of humankind, from the beginning to the Industrial Revolution in Europe, Asia, Africa and the Americas in compliance with New York State Regents. Students will develop skills to do topical outlining, interpret past influences on the present and report on current events.

2014 WORLD HISTORY 9 H (1 cr., F)
A chronological study of the history of humankind, from the beginning to the Industrial Revolution in Europe, Asia, Africa and the Americas in compliance with NYS content standards. In addition to developing skills in topical outlining, interpretation of past influences on the present and knowledge of current events, this class will delve deeper into content topics, conduct research, with an emphasis on writing.
PR: Permission of the teacher based upon High School Placement test and current grades.

9002 WORLD HISTORY 10 (1 cr., F)
A continuation of World History I from Early Modern times to the present. Interactions and linkages among nations and peoples will be explored to ascertain how the past influences the present. Skills to be mastered by students include interpretation of maps, charts and primary sources. The World History Regents exam is required.

2015 WORLD HISTORY 10 HONORS (1 cr., F)
A continuation of World History 9 from Early Modern times to the present. Interactions and linkages among nations and peoples will be explored to ascertain how the past influences the present. Skills to be mastered by students include interpretations of maps, charts, and primary sources. This course will focus on critical thinking and argumentative writing. There will be an emphasis on diverse historical perspectives for student analysis. The World History Regents exam is required.
PR: Completion of World History 9 with a grade of at least 93% and approval of the 9th grade Social Studies teacher OR completion of World History 9 Honors.

2071 ADVANCED PLACEMENT WORLD HISTORY (1 cr., F)
This college level course is a comprehensive survey of World History. Emphasis is placed on differing views of historians and interpretation of historical events through selected readings. This course may be used as a replacement for World History 10. Students will be responsible for taking the Regents examination in June and the Advanced Placement examination. A fee is involved.
Homework: 7 hours per week
PR: Completion of World History 9 Honors with grade of at least 87% and approval of the Social Studies instructor.
Course Offerings

9003 **UNITED STATES HISTORY & GOVERNMENT REGENTS** (1 cr., F)
A chronological survey of United States history through the study of historical themes including the expansion of citizenship, the role of the government in society, the enduring Constitution, changing economic policies, and the role of resources and technology in our past and future. Students must take the Regents exam.

231H **UNITED STATES HISTORY & GOVERNMENT HONORS** (1 cr., F)
A chronological survey of United States history through the study of historical themes including the expansion of citizenship, the role of the government in society, the enduring Constitution, changing economic policy, and the role of resources and technology in our past and future. Related content material beyond the general Regents level course is covered and tested. Students must take the Regents exam.
PR: Completion of World History 10 with a grade of at least 87% and approval of Sophomore Social Studies Teacher, or completion of World History 10 Honors with a minimum grade of 85% and approval of the Sophomore Social Studies teacher, or completion of AP World History.

2047 **ADVANCED PLACEMENT UNITED STATES HISTORY** (1 cr., F)
A highly detailed study of U. S. history from early migration over the Bering Land Bridge through the present. Details are combined with rich thematic coverage of the material and historical perspective. Students are required to complete extensive reading and writing on the college level. May be used as a substitute for the United States History Regents course. Students are required to take the Advanced Placement United States History exam and the U. S. History & Government Regents exam. A fee is involved.
Homework: 7 hours per week
PR: Student required to complete World History 10 Honors with an average of at least 95% and approval of the Sophomore Social Studies teacher or complete AP World History with an average of at least 87% and approval of the Sophomore Social Studies teacher.

2044 **ECONOMICS** (.5 cr., S)
An introduction to the American economic system - the various elements that compose this system, its comparison to other economic systems, and its utilization in the business world, and the international market place. Financial literacy (Moneyskills) will be a component of this course. Students will participate in the UrbanPlan, a realistic, engaging, university-level, classroom-based curriculum unit. Students work in teams and assume the roles of Finance Director, Marketing Director, City Liaison, Neighborhood Liaison, or Site Planner. They develop an understanding of how various market forces compete to create the built environment. They must reconcile the often-competing agendas to create a well-designed, market-responsive, financeable, and buildable project. Local affiliates of this national project will provide constructive feedback to student teams.
Course Offerings

**2045 PARTICIPATION IN GOVERNMENT** (.5 cr., S)
A course that will emphasize the interaction between citizens and government at all levels: local, state, and federal, encouraging students to understand and participate in the democratic process.

**2050 ADVANCED PLACEMENT GOVERNMENT/ECONOMICS** (1 cr., F)
AP Government is designed to give students a critical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. The first and last ten weeks will consist of economics, (see description in 2044). The middle twenty weeks will cover topics in Advanced Placement American Government and politics. Financial literacy (Moneyskills) will be a component of this course. Advanced Placement exam is required. A fee is involved.

Homework: 4 hours per week

PR: Students are required to complete United States History Regents with an average of 95% and approval of the Social Studies teacher or students are required to complete U.S. History Honors with a grade of at least 93% and approval of the Social Studies teachers or AP United States History with a grade of at least 87% and approval of the Junior Social Studies teacher.

**8717 IB HISTORY HL** (2 cr., 2F)

**8718** This course is a world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation, and significance. It involves the study of a variety of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. Students will be involved in a challenging and demanding critical exploration of the past. The first year of the course concentrates on the history of the Americas. Students will engage in independent learning and exploration.

PR: Students must have been accepted into the IB Diploma Program and have successfully completed World History 10.

**SOCIAL STUDIES ELECTIVES**

**2040 INTRODUCTION TO SOCIOLOGY** (.5 cr., S)
A study of our own society to understand how it socializes its members, maintains its institutions, establishes social class, and incorporates social change. Also includes: basic concepts of culture, social stratification and sociological processes of deviance, collective behavior and social problems, racial and ethnic groups, and the family.

PR: Course is open to Juniors and Seniors.
Course Offerings

2041 INTRODUCTION TO PSYCHOLOGY (.5 cr., S)
Psychology is the scientific study of the human mind and its functions, especially those affecting behavior in a given context. This course introduces the terminology, methodology, and content of psychology as a behavioral science. Topics covered will include: the biological perspective, sensation and perception, consciousness, life span development, social psychology, memory, cognitive thinking, motivation, personality theories, abnormal psychology, stress and health, and careers in psychology. Various approaches to psychotherapy will also be studied. In addition, there will be case study reviews.
PR: Students must be Seniors to take this course.

2070 PRACTICAL LAW (.5 cr., S)
Part of the Women in Leadership & Business curriculum, a detailed look at the legal system in America. Students will explore criminal law and procedure, tort and general commercial law with the goal of understanding processes and transactions that will impact them in the near future (such as leasing an apartment, buying a car, using a credit card, etc.). Current events and legal issues are regularly addressed.
PR: Students must be Seniors to take this course.

THEORY OF KNOWLEDGE

8719 IB THEORY OF KNOWLEDGE (1 cr., 2D, F)
8720 The Theory of Knowledge core course (TOK) plays a special role in the International Baccalaureate Diploma Program, by providing an opportunity for students to reflect on the nature of knowledge, and on how we know what we claim to know. It is mandatory for all IB students and is central to the educational philosophy of the Diploma Program. The course raises questions for students to ponder, and they gain greater awareness of their personal and ideological assumptions, as well as developing an appreciation of the diversity and richness of cultural perspectives. TOK aims to make students aware of the interpretive nature of knowledge, including personal ideological biases.

WORLD & CLASSICAL LANGUAGES

Students are required to complete a 3 year sequence in World & Classical Languages, and are strongly encouraged to complete a 4th or 5th level. Fluency is the goal. Sequences may be completed in Chinese, French, Latin or Spanish.

Students who begin their study of a second language in middle school may take a placement exam at Sacred Heart. Successful completion will result in the awarding of 1 credit and placement in level 2 of the target language.
Course Offerings

Students who study Latin at Sacred Heart do not take a placement exam. They will be placed in the Accelerated Latin course and will complete three years of Latin in two years of study. At the completion of the second year, all students in the class will take the local exam that counts toward a Regents diploma. Those who receive a score of 85% or higher will have completed their sequence and may continue in Latin IV or study another language. Those who score below 85% will be placed in a Latin III class and will take an additional year of Latin to complete their sequence.

Students with more extensive study of a second language will be placed according to level of skill (also based on successful completion of a higher level placement exam).

Once a 3 year sequence has been completed, students may continue on to level 4 or 5, opt out of language courses, or choose to study another language for a minimum of 2 years.

Fifth year students enrolled in Spanish or French may enroll in a Niagara University college level course.

5164 CHINESE I (1 cr., F)
5011 FRENCH I (1 cr., F)
5066 ACCELERATED LATIN I (1 cr., F)
5031 SPANISH I (1 cr., F)
This course is an introduction to understanding, speaking, reading, and writing a foreign language and a study of the culture. Basic vocabulary and grammar dealing with everyday situations will be covered in class. There is an emphasis on communicative proficiency.

5170 CHINESE II (1 cr., F)
5012 FRENCH II (1 cr., F)
5067 ACCELERATED LATIN II (1 cr., F)
Students completing Latin II will take the local Latin II exam and those who score 85% or better will have completed their 3-year sequence.

5032 SPANISH II (1 cr., F)
This course reinforces the skills and vocabulary learned in Level I, as well as developing further competency in communicative proficiency and writing skills.

5171 CHINESE III (1 cr., F)
9008 FRENCH III (1 cr., F)
5043 LATIN III (1 cr., F)
9021 SPANISH III (1 cr., F)
This course is a continuation and refinement of skills learned in Levels I and II. Conversation, listening comprehension and writing are stressed. A local exam is required to gain Regents credit.
Course Offerings

5172  CHINESE IV  (1 cr., F)  
5044  LATIN IV  (1 cr., F)  
5034  SPANISH IV  (1 cr., F)  
This course is a continuation of language skills developed in Levels I-III. Emphasis is on conversation, composition and improvement of reading skills. The study of culture and history is expanded.  
PR:  Successful completion of the final exam in Level III.

8711  IB FRENCH SL/FRENCH IV HONORS  (2 cr., 2F)  
8712  In this course, students develop the ability to communicate in the target language through the study of language, themes, and texts. They also develop conceptual understanding of how language works. Communication is evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. The syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet.  
PR:  Students must have successfully completed French III.

8709  IB CLASSICAL LATIN SL  (2 cr., 2F)  
8710  This classical language course provides opportunities for students to explore the language, literature and culture of ancient Rome. Students will develop an awareness and appreciation of the different perspectives of peoples from classical cultures through the study of texts in the original language. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.  
PR:  Students must have successfully completed Accelerated Latin II and scored 85% or higher on Regents local exam or Latin III.

8707  IB SPANISH SL/SPANISH IV HONORS  (2 cr., 2F)  
8708  In this course, students develop the ability to communicate in the target language through the study of language, themes, and texts. They also develop conceptual understanding of how language works. Communication is evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. The syllabus is organized into five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet.  
PR:  Students must have successfully completed Spanish III.
WORLD & CLASSICAL LANGUAGES ELECTIVES

The following courses are offered through Niagara University. Students will receive six college credits for the full year course.

5160  COLLEGE FRENCH I (.5 cr., S)
5161  COLLEGE FRENCH II (.5 cr., S)
      Review and expansion of communication skills (speaking, reading and writing) through materials reflecting the history, literature, and culture of the Francophone world. A tuition fee per course to Niagara University will be required. (2 courses, 6 semester hours).
      PR:  Permission of the instructor.

5162  COLLEGE SPANISH I (.5 cr., S)
5163  COLLEGE SPANISH II (.5 cr., S)
      Review and expansion of communication skills (speaking, reading and writing) through materials reflecting the history, literature, and culture of the Hispanic world. A $215.00 tuition fee per course to Niagara University will be required. (2 courses, 6 semester hours).
      PR:  Permission of the instructor.
Online School for Girls

Sacred Heart Academy offers students the opportunity to enroll and take courses through the Online School for Girls (OSG), division of One SchoolHouse, the first single-gender online school and the first independent online school in the world. Teachers for the school have designed courses especially suited to the online learning style of girls, which includes connections, collaboration, creativity and application of learning experiences. Courses are challenging and suited for students who are independent and motivated to complete 8-10 hours/week in addition to their in school course work.

Sacred Heart students may enroll in the OSG courses listed below. Students will be required to carry the minimum number of credits required by SHA before they are eligible for an online course. Full year courses are available. A listing of available courses follows. Students will receive elective credit for the courses listed below. Sacred Heart has paid a membership fee to be an affiliated school, which also reduces the price per course for our students. The full tuition for students of Affiliate Schools for 2020-2021 is $1585. Sacred Heart will underwrite all but $750 for an approved year long course. Financial aid is available for students who qualify. More information is available at the Online School for Girls’ website at www.oneschoolhouse.org.

**Full Year 2020 – 2021**

AP Art History
AP Environmental Science
AP Music Theory
AP Psychology

**Pamoja Education**

Pamoja is a well-established online platform for delivery of quality course instruction in a number of curricula, including the International Baccalaureate.

Students who are enrolled in the International Baccalaureate Diploma Programme at SHA may study Mandarin Chinese through an online ab initio course. Students who select this option will have the opportunity to access a structured learning environment that provides flexibility and support in equal measure. They will study alongside students from around the world by taking part in interactive and engaging lessons that allow them to learn, review and practice easily. Activities include online discussions, creating presentations, learning from videos, as well as exciting, hand-writing practice and interactive tasks.

An interested student may discuss her desire to enroll in one of these courses during the meeting with her counselor when she designs her schedule for 2020-2021.
Sponsored by the Sisters of Saint Francis of Penance & Christian Charity

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