

# **SAINT FRANCIS PREPARATORY SCHOOL**

## **COURSE OFFERINGS 2013-2014**

Saint Francis Preparatory School admits students of any race, color, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, or national or ethnic origin in administration of its educational or admission policies, scholarships, or athletic programs.

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# IMPORTANT DATES AND DEADLINES

We have listed below the important deadlines and dates in the course registration process. Be sure you are meeting the stated deadlines: missing a deadline may keep you out of a class. If you are uncertain on how to proceed, please ask questions. Discuss courses with parents and guardians, teachers, and guidance counselors. Use your time wisely and well.

**21 January** Pre-registration begins at **9:00 a.m.** on **Monday, 21 January**. Pre-registration is for the courses listed below. Students will log onto the school web site, go to the appropriate department, and request the classes they wish to pre-register for. Speak with the relevant chairperson if you have questions.

**The following courses require pre-registration:**

- All **Computer Science** Courses
- All **Business** Courses
- All **Social Studies Electives** and H period classes (except A.P. Psychology, which requires approval)

The following **Health and Physical Education** Courses

- H period Health
- Health for Juniors
- Kickboxing/Project Adventure
- Yoga/Tai Chi
- First Aid
- Nutrition

**Departmental approval** is given by chairpersons of all departments for any special class, including honors and A.P.; departmental approval is not given on this day. Check with individual chairpersons and teachers and the full course book for courses that require pre-registration or approval.

**25 January** Chairpersons will post lists notifying students of classes they successfully pre-registered for.

**29 January** Deadline to apply to take extra units **OR** an H period (7:50 a.m.) class. You must submit the form on **page 63** of the on-line course booklet if you are taking an H period class **or** extra units. If you are planning to take extra units, make an appointment with your Guidance Counselor early.  
\*\* Submit the Extra Credit-H-period form to your **Cor teacher**.

**30 January-4 February** Students choose classes through the on-line registration system. Students may do this work at home or in school. Students must finish by **4 February**. Use your Power School password to select classes.

**6 February** Students submit their printed course selection sheet with a parent's or guardian's signature to their Cor teacher.

**Late May** Course verification forms are given to students. During the announced days, students may request course changes in the Programming Room. Changes are based on space availability and qualification and are often not possible. There is a forty dollar (\$40) fee for all changes. The last day to make any course changes is **24 June**. There will be no changes in the Summer or September.

# BELIEF STATEMENTS

The community of St. Francis Prep values God's life in each person. Therefore we are compelled:

- to be seekers of Truth
- to develop a critical intellect
- to treat all with respect and dignity
- to lead lives of justice, integrity, and compassion.

# MISSION STATEMENT

St. Francis Prep is a Catholic, college preparatory school in the Franciscan tradition. Our mission is to enable all students to develop and broaden their spiritual, intellectual, creative, emotional, social, and physical abilities. We value the unique contribution each person makes to the Prep community. Together, we create an environment filled with academic success, respect, integrity, and joy.

# PHILOSOPHY

Saint Francis Preparatory School is a community that affirms its Catholic identity by the four "Golden Links" of Franciscan education, which holds that Spiritual, Intellectual, Social, and Physical values can be drawn from learning. We direct our educational efforts through academic programs and activities to enable students to value all of God's creation. Enlightened by the teachings of Jesus, we – the students, parents, faculty, staff, administration, and alumni – view the school as a means of encountering God and as a visible sign of our religious beliefs. In the words of Pope John Paul II, the mission of the Catholic school is "to communicate Christ." At the Prep, this is uniquely interpreted in the spirit of Franciscanism, which is to manifest peace, love, and respect for the individual, the community, and the environment.

At St. Francis Prep, we create an atmosphere where all can experience, communicate, and live the Gospel message. We challenge every individual to value learning, thinking, and critical inquiry. The teachers strive not only to instruct the students, but to inspire them. We provide opportunities for students to develop their academic potential and make college and career choices in concert with their personal desires and talents. We appreciate and respect the cultural diversity in the school and the New York metropolitan area while embracing our shared humanity. We encourage active citizenship in our democracy by increasing students' awareness of and involvement in local, national, and global issues.

This is the vision we mutually define. To work for these ends is a task of joy which brings fulfillment to the entire Prep community.

# GRADUATE PROFILE

Our focus at St. Francis is the whole person. Therefore, Prep graduates strive to live the four Golden Links of Franciscan education.

## **SPIRITUAL**

- To continually experience a loving God in themselves and in others
- To live the teachings of Jesus in the spirit of Francis of Assisi

## **INTELLECTUAL**

- To always value learning, thinking, and critical inquiry
- To make responsible decisions in all aspects of their lives

## **SOCIAL**

- To recognize themselves as members of the world community
- To respect and accept the unique contributions of each individual to society

## **PHYSICAL**

- To accept and nurture our bodies as gifts of the Creator.
- To encourage stewardship of our planet

# CAMPUS MINISTRY

Saint Francis Prep is committed to providing opportunities for students to grow in their faith. To achieve this goal, we have a Campus Ministry team consisting of three lay Campus Ministers, a Franciscan Brother, and one full-time Chaplain. We encourage students' responsible participation in the life, mission, and work of our community of faith. In this ministry, we offer students pastoral counseling, spiritual direction, liturgical celebrations, reconciliation services, prayer services, retreats, and service experiences. In coordination with other school clubs, students participate in many social justice activities and community projects. Campus Ministry activities are an integral part of the education of our students.

**RETREATS:** The retreat program is an essential part of the school's efforts toward Christian and Franciscan formation at St. Francis. Retreats allow students to deepen both their friendships and their spirituality. All sophomore students take part in a one-day retreat experience at Camp Alvernia in Centerport, Long Island. Optional retreats, based on age-appropriate themes and the journey of faith, are also offered each year for juniors and seniors. In addition, retreat experiences are offered to high school students through the Diocese of Brooklyn.

**LITURGY:** Daily Mass is offered at 7:00 a.m. each morning and on Mon. Wed., and Fri. at 8:00 a.m. in the school chapel. All are invited to participate. School-wide prayer services and Eucharistic liturgies take place throughout the school year. These are important features of the spiritual activities at St. Francis Prep. Some are celebrated with the entire class, while others are open to participation by the general student body. Our special liturgies take place at the following times:

- Opening of School (Mass of the Holy Spirit)
- The Feast of St. Francis
- Thanksgiving Liturgy
- Senior and Freshman Advent Reconciliation Services
- Christmas Liturgy
- Ash Wednesday Liturgy
- Junior and Sophomore Lenten Reconciliation Services
- Holy Week Prayer Service
- Junior Day Liturgy
- Graduation Liturgy

## **LEADERSHIP AND INVOLVEMENT OPPORTUNITIES**

### ✠ **Liturgy Team**

The Liturgy Team works with the Campus Ministers planning and preparing various liturgies and prayer service during the school year.

### **Midnight Run**

Student volunteers prepare a meal and sort donations of men's clothing and hygiene products for distribution to people living on the streets of Manhattan. Students and SFP chaperones meet at SFP in the evening and make appointed stops throughout the City coordinated by the Midnight Run organization. CM collects the following items throughout the school year: men's coats, jackets, sweaters, pants, new underwear, and socks.

### **Franciscan Youth Movement (FYM)**

FYM plans service, social, and prayer activities building community in the spirit of St. Francis. Projects include: assisting children/teen charities, writing to our armed forces and elderly people at Christmas, collecting discarded ink cartridges and cell phones, visiting elderly people, planning party for Children's hospital, etc. Students meet at **2:45 and 4:00 p.m. every Wednesday** to plan activities. *We Are Teens Alive in the Spirit of St. Francis.*

### ✠ **Retreat Leaders**

Retreat leaders lead the Sophomore Retreat experience held at Camp Alvernia in Centerport, NY, on Tuesdays throughout the school year. Interviews for interested sophomores and juniors will be held in the Spring. Look for more information.

✝ **Extraordinary Ministers of Holy Communion**

Assist with the distribution of Holy Communion at school liturgies and communion services on a rotating schedule. Juniors must attend the Diocesan Training Day in May and obtain a letter of endorsement from your parish pastor.

✝ **Lector/ Reader**

Proclaim aloud designated readings and prayers of the faithful at school and morning masses and prayer services. Rotating schedule; practice required before upcoming liturgy or prayer service.

✝ **Liturgy Assistant**

Assist during school liturgies with variety of possible responsibilities: greeting students, handing out programs, preparing the altar, carrying the cross or candles in processions. No training necessary but practice required before upcoming liturgy or prayer service.

✝ **Liturgical Ensemble**

Sing at all school liturgies and prayer services. Practices are held Mondays **or** Wednesdays at 2:45 pm in W207.

✝ **Morning Prayer Leader**

Assist with leading daily prayer over the PA system at the beginning of the school day.

✋ **Presentation Soup Kitchen**

Volunteers assist with preparing and serving dinner at the Church of the Presentation in Jamaica, NY. Actual service at Presentation is from **4:00pm to 7:00pm** on Thursdays. Transportation provided by SFP. Only 4 volunteer spots are available each week.

✋ **Winter Homeless Shelter**

Every Wednesday evening from **January 13 through March 24**, 4 students will travel to St. Kevin's Parish in Flushing, NY, to assist with the parish's winter shelter. Students will prepare beds and meals and engage in conversation with the homeless persons who will be staying at the shelter that evening. **Leave SFP 6:30 pm – Return SFP 9:00 pm**

✋ **Franciscan Immersion Experiences**

These experiences provide sophomore, junior, and senior students powerful experiences of service, communal living, prayer, and learning about social justice. Past experiences have included teams serving in El Paso, TX, Camden, NJ, Baltimore, MD, and four years of assistance in the Gulf Coast.

# **DRIVER EDUCATION**

The Driver Education program follows the basic New York State requirements. It consists of 24 classroom hours, 18 observation hours, and 6 hours behind the wheel. The course is available in the fall, spring, and summer. Registration periods are designated on the school calendar. Each session lasts 80 minutes. Students have one lecture period and one in-car period each week and must complete no less than 6 hours of actual behind-the-wheel experience. The passing grade in the program is 65%. Upon successful completion of the course, the student will receive an MV285 certificate (blue card) and a school certificate. All students applying to join the program should have a learner's permit in order to register. The basic fee for the course must be paid at the time for registration.

Each student is responsible to be present at each session. It is the responsibility of the student to notify the teacher of an anticipated absence for a morning session. The student should make every attempt to switch sessions with another student when absence is necessary. If it is necessary for a teacher to cancel a morning lecture or driving, the teacher will contact the student. All morning sessions will begin promptly at 7:00 a.m.

# **LIBRARY**

The educational media center consists of the Bishop Reilly Memorial Library and the Audio-Visual Center. This complex, centrally located on the second floor, is available to students and faculty members on every school day from 8:00 a.m. to 4:00 p.m., except Friday when the library closes at 3:30 p.m. The library has a staff of four professional librarians, two assistant librarians, and a paraprofessional. Over 30,000 volumes, which represent the academic and recreational interests of the students and faculty, are housed in this area. There are 19 magazines available in the center. Two full text databases are accessible from school and home.

All students are automatically members of the library. They may check out library materials for three weeks. Reference materials must be used in the Reference Center located on the balcony of the Library.

One of the goals of the library staff is to provide whatever is necessary to further the spiritual, educational, and social improvement of the library users.

The AV collection of machines and software is handled by a professional librarian. The collection is organized so that all materials are easily accessible. All holdings of both the library and AV collection are listed in the card catalog or computers in the library.

Typewriters, four copy machines, fifteen computers, and a dollar bill change machine are located in the library. Internet access is also available in the Library. A conference room on the balcony is provided chiefly for faculty use.

# **COLLEGE CREDIT**

St. Francis Prep has established a program with three local colleges that allows Prep students to be eligible to receive college credit for certain courses offered here.

Further information about the College Credit Program can be found on page 61.

# ACADEMIC ADVISEMENT

As you prepare to decide which subjects to take next year, keep in mind that the quality of your courses and the grades you receive in them are each very important. All of your classes, along with your final course averages, are included on your academic record. Students should take the most challenging series of courses for which they are eligible.

If you are having difficulty in a class, do NOT let the problem escalate. Speak with your teacher. Obtain a tutor or a mentor (W-101). See your guidance counselor. Take the necessary steps to improve your grades.

It is important that students choose their courses carefully. Students should consider the following factors when choosing particular courses:

- requirements for a St. Francis Prep diploma;
- requirements for Regents endorsed and Advanced Regents diplomas;
- abilities, interests, and past achievements in various subject areas;
- over-all course load;
- anticipated plans for after graduation from high school.

In order to assist you with your decision-making, the next few pages contain general information and guidelines that will help you in the course selection process. Review and discuss all the necessary information and seek advice from your parents and teachers.

**IMPORTANT:** Be sure to read the course descriptions for each course you will be taking. Make sure you know all requirements and expectations for your courses. If you are uncertain about expectations, speak with teachers, chairpersons, and counselors. Do not sign up for a class merely because it “looks” or “sounds” good.

\*\* It is always the best course of action to take the most appropriately challenging course work.

## **Reasons to Meet With Your Guidance Counselor Regarding Course Selection:**

- Transfer students may have special issues to review
- To ensure that you understand the various requirements for your graduating class
- To see if you are eligible to earn a Regents Endorsed or Advanced Regents Diploma
- To review potential elective courses that apply to your college and career goals
- To assist you in looking at the pros and cons of the decisions that you need to make

Your guidance counselor is available for course selection advisement. During the months of January and February, counselors generally post appointment schedules on their office doors so students can sign up to meet with them. Please take advantage of this opportunity to learn as much as you can about course selection as it applies to your future goals.

## I. MINIMUM REQUIREMENTS FOR A ST. FRANCIS PREP DIPLOMA

In order to graduate from St. Francis Prep, a student must fulfill requirements in two different categories:

- A. Core Course Requirements
- B. Competency Requirements

### A. Core Course Requirements:

Core courses are those that all students are required to complete. During your four years at St. Francis Prep, students must complete the following course and unit requirements:

|                                  |         |
|----------------------------------|---------|
| Religion (4 years)               | 2 units |
| English (4 years)                | 4 units |
| Social Studies (4 units)         | 4 units |
| Mathematics (3 years)            | 3 units |
| Science (3 years)*               | 3 units |
| Foreign Language (2 years)       | 2 units |
| Fine Arts (2 or 3 courses)       | 1 unit  |
| Computer Science (1 course)      | ½ unit  |
| Health (1 course)                | ½ unit  |
| Physical Education (4 years)     | 2 units |
| Electives and Other Requirements | 3 units |

TOTAL 25 units

\* **PLEASE NOTE:** New York State requires **three (3) units of Science** taken in high school. The school requirement of ½ unit of Computer Science counts toward this 3-unit total. Students may use up to one (1) full unit of Computer Science toward fulfilling the required three (3) units of Science. These courses may be **any courses in the Computer Science** department or the **Art** courses that also fulfill the Computer Science requirement: **Art 2000, 2930, and 2940**. Business and Music computer classes **do not** fulfill the Science requirement.

Students register for the following courses as determined by their year level:

1. Present **Juniors** registering for **SENIOR** year: 6 credits minimum

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Religion                         | (1/2 unit: two half-year courses) |
| English                          | (1 unit: one or two courses)      |
| Social Studies                   | (1 unit: one or two courses)      |
| Physical Education               | (1/2 unit: one or two courses)    |
| Electives and Other Requirements | (3 units)                         |

2. Present **Sophomores** registering for **JUNIOR** year: 6 credits minimum

|                                  |                                    |
|----------------------------------|------------------------------------|
| Religion                         | (1/2 unit: two courses or Service) |
| English                          | (1 unit: one course)               |
| Social Studies                   | (1 unit: one course)               |
| Math                             | (1 unit: one course)               |
| Science                          | (1 unit: one or two courses)       |
| Physical Education               | (1/2 unit: one or two courses)     |
| Electives and Other Requirements | (1 unit)                           |

**PLEASE NOTE:** Current Sophomores and Juniors should keep in mind that they must complete the Health course and a course in Computer Science sometime during Junior or Senior year. These two courses are taken as part of the total of the four (4) units in electives students are allotted during their Junior and Senior years. The remaining three (3) units are used to complete any other requirements.

3. Present **Freshmen** registering for **SOPHOMORE** year: 6.5 credits minimum

|                    |                        |
|--------------------|------------------------|
| Religion           | (1/2 unit: one course) |
| English            | (1 unit: one course)   |
| Social Studies     | (1 unit: one course)   |
| Math               | (1 unit: one course)   |
| Foreign Language   | (1 unit: one course)   |
| Science            | (1 unit: one course)   |
| Physical Education | (1/2 unit: one course) |
| Art or Music       | (1/2 unit: one course) |

**Chart of Core Course Requirements**

| Freshman              | Sophomore            | Junior   | Senior             |
|-----------------------|----------------------|--|--------------------|
| English (1)           | English (1)          | English (1)  | English (1)        |
| Social Studies (1)    | Social Studies (1)   | Social Studies (1)                                     | Social Studies (1) |
| Religion (.5)         | Religion (.5)        | Religion (.5)  | Religion (.5)      |
| Phys. Ed. (.5)        | Phys. Ed. (.5)       | Phys. Ed. (.5)   | Phys. Ed. (.5)     |
| Math (1)              | Math (1)             | Math (1)   | /                  |
| Foreign Language (1)  | Foreign Language (1) | \  | /                  |
| Science (1)           | Science (1)          | Health (.5), Computer Science (.5),<br>and Science (1) |                    |
| Art and/or Music (.5) | Art or Music (.5)    |  |                    |

**PLEASE NOTE:** All students must take three (3) units of Science in high school. Up to one unit of Computer Science, including Art 2000, 2930 and 2940, may be counted toward this 3-unit total.

**B. Competency Requirements**

In addition to the core course requirements (listed above), students must demonstrate a minimum level of competency in five different areas. Students demonstrate competency by earning at least 65% on the appropriate Regents exams. The required exams are as follows:

- English
- Global History
- Math
- Science
- U.S. History and Government

**IMPORTANT:** Although a score of 65% meets the New York State standard for passing, such a score is below the school's passing grade of 75%. Regents exams serve as final exams for many courses and may contribute up to 20% of a student's final grade in a course. Some colleges use Regents exam scores for determining admission and placement. Therefore, students are encouraged to strive toward attaining their highest possible grade on each Regents exam they take.

**DIPLOMAS**

Depending on scores on Regents exams and the courses taken, students may receive one of the following two types of diplomas. The requirements for each are listed below.

**1. St. Francis Prep Diploma with Regents Endorsement**

- A. All core requirements listed above
- B. Score at least 65% on all five required Regents exams

**\* All students must earn at least 65% on the five (5) required Regents exams.**

**2. St. Francis Prep Diploma with Advanced Regents Endorsement**

- A. All core requirements listed above
- B. Score at least 65% on the five required Regents exams
- C. Students must score at least 65% on these additional Regents exams:
  - Comprehensive Foreign Language Regents\*
  - Two additional Math Regents exams; altogether, students must pass 3 Math Regents exams: Integrated Algebra 1, Geometry, and Algebra 2
  - A second Science Regents – one **must** be in **Biology** (Living Environment), the other in Earth Science, Chemistry, or Physics

\* Students who pursue a qualified 5-unit sequence in Art or Music may substitute that sequence for the Foreign Language requirement. Check with the Art or Music chairperson for details.

As you select your courses and plan for future years, it is essential that you speak with your parents, teachers, and counselors to select the most appropriate classes. Realize that the type of diploma you receive is dependent upon the courses you take and your scores on Regents exams. It is always the best course of action to take the most appropriately challenging course work.

Regents examination grades are very important for the following reasons:

- they are part of the student's course average;
- they appear on the student's transcript;
- they may fulfill specified competency requirements for the local St. Francis Prep diploma; and,
- SUNY, CUNY, and some private colleges use the Regents examination grades when making certain admissions and course placement decisions.

**IMPORTANT:** If you take and pass any Regents exams before attending St. Francis Prep, be sure to forward the grade to the school. Check with the Registrar's Office to make sure we have record of the grade.

## **II. ACHIEVEMENT, ABILITY, AND INTERESTS**

After you have chosen the core courses that you must take for a local St. Francis Prep diploma, you have the opportunity to choose various electives. An elective program allows you to broaden your achievement, develop your abilities, and pursue your interests. It can constitute an important part of a foundation for future college study and career development.

It is important to be realistic in evaluating your achievement and ability. Your teachers and parents can be particularly helpful. What is your grade point average? What is your average in a particular subject area? What are your standardized test scores (SAT I Reasoning Test, SAT II Subject tests, Junior PSAT scores, etc.)? Choose courses for which you are qualified that will be challenging but not overwhelming.

Another important factor to consider when choosing elective courses is your area of interest. What program(s) of study and career paths do you hope to pursue after you graduate? The Career Center has many resources that can help you understand your own temperament and interests and the world of work. The following outline may be used as a guide. If you have particular needs that may modify these recommendations, speak with your parents, teachers, and counselor.

## **III. COLLEGE INFORMATION**

It is important to research the colleges to which you expect to apply. What are the minimum requirements for admission? How competitive are the colleges and programs to which you expect to apply? What programs do they offer? What are the costs? This information is available on the web sites of individual colleges. There are various resource materials available to you in the College Office (N-201), Counseling Center (W-101), or counselors' offices. The guidance department is ready to assist you with any part of the college application process.

Juniors and Seniors are encouraged to attend the various conferences set aside for them (and their parents) during the school year. These include the College Fair, College Information Nights, Alumni Day, and Financial Aid Night.

These sessions give students and their parents the opportunity to receive information from college representatives, officials, and students who have first-hand experience with the various schools. Watch the announcements for a listing of particular college reps visiting St. Francis Prep on specified days.

In preparing for college, the most important prerequisite is to be realistic. You may have a dream college in mind, but you must also be sure that you have additional college choices that are realistic in terms of your high school background and marks.

Try to narrow down your college choices. College applications are expensive. If you are realistic, you will be able to apply to at least one college to which you know you will be accepted. Check your grades and your SAT scores against those required by the college of your choice and act accordingly.

Honors courses and Advanced Placement courses are very important if you hope to be accepted in any of the more prestigious or competitive colleges. The quality of your courses and the grades you receive in them very often determine whether you will be accepted.

All of this and other pertinent information is available on the Guidance Department page on the school's web site.

### **SAT II Subject Tests**

Many colleges require students to take SAT II subject tests. It is most strongly suggested that students take tests on which they can reasonably expect to do well. Students should take the appropriate SAT II exams when they complete that particular course. The guidance department urges students to seek information from their counselors, subject teachers, and college profile guides when making this decision.

# ART

Our objective is to foster the growth of all students in sensitivity, skill, and appreciation of the arts while developing perception, personal insight, and conceptual thinking. The Art Department provides a sequential program of instruction which integrates the four disciplines of art, art production, art history, and art criticism and aesthetics while fulfilling National and State standards. Each student is given the fundamentals to enjoy the art experience and an opportunity to develop on a more advanced level, either for self-fulfillment or to prepare and qualify for admission to a recognized art program in college to earn a B.F.A., B.A., or B.S. degree.

**New York State 1-unit requirement** for high school graduation is fulfilled by the end of 10th grade.

## 9th grade:

- Studio in Art I **AND** Introduction to Music (both 1/4 unit and 1/2 year) **OR**
- Advanced Studio in Art I (1/2 unit; full year) **OR**
- Introduction to Performing Arts (1/2 unit; full year)

## 10th grade: Choice of **four** sophomore art courses:

Sophomore Studio in Fine Arts  
Sophomore Studio in Commercial and Technical Arts  
Sophomore Studio in Performing Arts  
Sophomore Honors: Fine and Commercial Arts

**FINE ARTS MAJOR:** After a student has completed the school's fine arts requirement (see above), a Fine Arts major with NYS Regents accreditation is available to students who fulfill either a three- or five-unit sequence in the Fine Arts.

Students must have satisfied the Regents requirement of an examination (locally designed) and portfolio presentation upon completion of their senior year.

## **Sophomore and junior students interested in a Fine Arts major should meet with Ms. Buccino, Chairperson of the Art Department, for course advisement.**

Possible ART MAJORS with Regents accreditation are as follows:

### **AREA OF INTEREST and RECOMMENDED COURSES**

#### **Fine Arts** (traditional Visual Arts)

Gr. 10: Art II: Studio in Fine Arts 2720 or Sophomore Honors: Fine and Commercial Arts 2760  
Gr. 11: Two Dim. Des. 2790 (2090), Drawing 2750, Life Drawing 2770, Painting 2800, AP Studio 2906  
Gr. 12: Sculptural Des. 2870, Comp. Graph. 2930, Digital Photo. 2840, AP Art History 2826, AP Studio 2906

#### **Graphic Design** (Editorial, Advertising, Package, Logo Design)

Gr. 10: Art II: Studio in Comm./Technical Arts 2730 or Sophomore Honors: Fine and Commercial Arts 2760  
Gr. 11: Two Dim. Des. 2790 (2090), Graphic Des. 2810, Comp. Graphics 2930, Digital Photography 2840, Drawing 2750  
Gr. 12: Life Draw. 2770, CAD 2000, Web Page Des. 2940, Intro Video Prod. 2990, Animation 2860, AP Art History 2826

#### **Fashion Design and Illustration**

Gr. 10: Sophomore Studio in Fine Arts 2720, Sophomore Studio in Technical Arts 2730 or Sophomore Honors: Fine and Commercial Arts 2760  
Gr. 11: Two Dim. Des. 2790 (2090), Life Drawing 2770, Fashion Design 2890, Drawing 2750, AP Studio 2906  
Gr. 12: Sculp. Des. 2870, Comp. Graph. 2930, Dig. Photo. 2840, Paint. 2800, AP Art Hist. 2826, AP Studio 2906

#### **Architecture** (various Engineering fields, Industrial, Transportation, Interior, Environmental, Stage Design)

Gr. 10: Sophomore Studio in Commercial Technical Arts 2730 or Soph. Honors: Fine and Commercial Arts 2760  
Gr. 11: Two Dim. Des. 2790 (2090), Mechanical/Architectural Drawing 2060, CAD 2000, Sculptural Design 2870  
Gr. 12: Draw. 2750, Life Draw. 2770, Graph Des. 2810, Comp. Grap. 2930, Web Page Des. 2940, AP Art Hist. 2826

## **Media and Digital Arts** (Photo, Video, Film, Computer Graphics, Animation)

Gr. 10: Sophomore Studio in Commercial/Technical Arts 2730 or Soph. Honors: Fine and Commercial Arts 2760

Gr. 11: Two Dim. Des. 2790 (2090), Comp. Grap. 2930, Digital Phot. 2840, Web Page Des. 2940, Intro Film Prod. 2990

Gr. 12: Draw. 2750 or Life Draw.2770, CAD 2000, Sculp. Des. 2870, Animation 2860, Hist. of Cin. 2960, AP Art His. 2826

## **Performing and Theater Arts**

Gr. 9: Freshman Introduction to Performing Arts 2690

Gr. 10: Sophomore Studio in Performing Arts 2740

Gr. 11: Movement 2070, Acting 2980, Two Dim. Des. 2790 (2090), Theater Des. and Prod. 2920,

Gr. 12: Advanced Dance Technique 2080, Intro Film Production 2990, Cinema History 2960, AP Art History 2826

## **CERTIFICATE OF ADVANCED STUDY IN ART**

This certificate will be awarded to students in senior year upon completion of the following requirements:

A) The student has completed the A.P. Art History course.

B) The student has completed two years of A.P. Art Studio.

C) The student has completed Computer Graphics, CAD, and Web Page Design.

D) The student has participated in and completed an approved outside art class in his or her area of study.

E) The student is an active member of the National Art Honor Society.

F) The student has an average of 90% or higher in all art courses.

## **FRESHMAN COURSE OFFERINGS**

### **ART 2700**

#### **Freshman Studio in Art I Honors**

A two-semester course, requiring departmental approval, offering a more advanced basic curriculum in art concepts and techniques for those 9<sup>th</sup>-graders who have some background in art and are possibly interested in pursuing either the three- or five-unit Regents sequence in art.

\* Call for an appointment/portfolio review with Ms. Buccino, Chairperson: 718 423-8810, ext. 218.

### **ART 2710**

#### **Freshman Studio in Art I**

A one-semester course designed with the individual student's talent in mind. Students are taught to explore these talents while learning to appreciate and respect the varied talents of other students and artists. The course introduces the elements of art through a series of creative and conceptual tactile projects. Students will use a variety of artistic media, materials, and techniques in two- and three-dimensional formats.

### **ART 2690**

#### **Freshman Introduction to the Performing Arts**

A two-semester course open to incoming students who have had a **personal interview or audition**.

This course is open to incoming students who have an interest in the performing arts through previous recent stage performances, talent competitions, and a variety of dance and or acting classes. The curriculum will give students an academic appreciation and understanding of drama, acting techniques, and improvisation. Requirements include in class performances, group projects, and participation as ushers or promotional assistants for the Alvernian Drama Society's productions. Placement for this class is based on audition, interview, or resume.

\* Call for an appointment/audition with Ms. Mejia, Performing Arts instructor: 718 423-8810, ext. 218.

## **SOPHOMORE COURES OFFERINGS**

### **ART 2720**

#### **Sophomore Art Studio in Fine Arts**

A two-semester course requiring departmental approval.

This course is a continuation of the Studio in Art I course with a concentration in the traditional Fine Arts areas of drawing, sculpture, painting, and printmaking in an Art Historical context. Students build on their knowledge of the

elements of art and continue with the principles of design. Students continue to use a variety of artistic media, materials, and techniques in two- and three-dimensional formats.

### **ART 2730**

#### **Sophomore Studio in Technical and Commercial Art**

A two-semester course requiring departmental approval.

This class is a continuation of the Studio in Art I with a concentration in the commercial and technical arts such as Architecture, Interior Design, Photography, Graphic Design, Advertising, Computer Graphics, Animation, and Film. Students build on their knowledge of the elements of art and continue with the principles of design. Students continue to use a variety of artistic media, materials, and techniques in two- and three-dimensional formats.

### **ART 2760**

#### **Sophomore Honors: Fine and Commercial Art**

A two-semester course requiring departmental approval.

This class is a continuation of the Freshmen Art Honors course. It includes a combination of Fine Arts and Commercial Arts. For the first half of the year, the course has a concentration in the fine art areas of drawing, drawing from life, painting, and sculpture. Students have the opportunity to go to museums and galleries and draw on site. For the second half of the year, students are exposed to Commercial Arts. Topics include architecture, photography, and graphic design. Students have the chance to meet in the Computer Graphics Mac lab. This class is a sampler of both Commercial and Fine arts.

### **ART 2740**

#### **Sophomore Studio in Performing Arts**

A two-semester course requiring departmental approval.

This class gives the students an appreciation and knowledge of acting, dance, music, film, the entertainment industry, and the audition process. Students use a variety of artistic media and materials in a series of tactile projects in addition to learning more advanced acting technique skills and improvisation. Projects include set designs, theatre masks, scene studies, on-camera acting techniques, and producing a music video. Requirements include **mandatory attendance and written critiques of all Art Dept. stage productions** (Fall Drama, Winter Showcase, Spring Musical, End of Year Arts Festival).

### **JUNIOR and SENIOR YEAR ADVANCED ART ELECTIVES: H PERIOD (7:50 – 8:30am)**

#### **ART 2000 (H PERIOD)**

##### **CAD (Computer Aided Drafting)**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**. Art 2000 requires departmental approval.

This is an introduction course to the computer software program MAYA®. Students learn how to use pen tablets and MAYA® to create three-dimensional models of interior building spaces, buildings, and other structures. Students learn valuable three-dimensional design skills and knowledge that can be applied to Architecture, 3D Animation, Automotive Design, Fashion Design, Industrial Design, Interior Design, Video Game Design, Film FX, Film and Video, and Sculpture. Students leave this class with artwork for college admission portfolios. They get valuable experience that no other local high school offers and places them a step ahead of other students when entering college. The course fulfills the 1/2 unit computer requirement for graduation.

#### **ART 2060 (H PERIOD)**

##### **Mechanical and Architectural Drawing**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**.

This is a developmental course in mechanical drawing leading to sophisticated architectural drafting and three-dimensional model construction. Students will develop a portfolio applicable toward various college degree programs in Architecture, Engineering, and Interior, Environmental, Industrial, and Theater Design, with projects that stress both the technical and conceptual. Architecture history and site drawing are included. Students are expected to purchase their own drafting supplies.

### **ART 2070 (H Period)**

#### **Movement for Performers**

A one-semester course open to freshmen, sophomores, juniors, and seniors.

Art 2070 requires departmental approval; no previous experience is necessary.

Art 2070 **does not** fulfill the Fine Arts graduation requirement.

This course explores the origins and history of dance styles and techniques through movement sessions in a studio environment, technique analysis, anatomy, kinesiology, and the exploration of the art of choreography. Requirements include a dance critique, a research paper, and **mandatory** participation in the fall and/or spring dance and acting productions.

### **ART 2080 (H Period)**

#### **Advanced Dance Technique**

A one-semester course open to sophomores, juniors, and seniors who have taken **Art 2070**.

Art 2080 **does not** fulfill the Fine Arts graduation requirement, and it requires approval through an audition.

Through more focused and intense movement sessions, students will achieve higher technique and performance levels. This class will also advance the students' anatomical understanding. Dance composition and choreography studies will enhance students' ability to analyze and evaluate their own performance. Requirements include a field trip to a professional performance allowing for student evaluation and appreciation, a dance critique, and **mandatory** participation in the Spring Arts Festival.

### **ART 2090 (H period)**

#### **Two-Dimensional Design**

See Art 2790 for description/requirements.

## **JUNIOR and SENIOR YEAR ADVANCED ART ELECTIVES**

### **ART 2750**

#### **DRAWING I**

A one-semester course open to juniors and seniors who are registered for or have taken **Art 2790 (2090)**. Art 2750 requires departmental approval.

This class is an introduction to the materials and techniques of drawing. The students study various textures including wood, metal, cardboard, glass, plastic, and fabric. They draw organic and geometric shapes. The students observe light and how it reflects off various surfaces. Students also learn different techniques including crosshatching, shading, blending, and erasing. Students use a variety of materials including pencil, charcoal, conte crayon, pen and ink, colored pencils, pastels, and various selections of papers.

### **ART 2770**

#### **Drawing From Life**

A one-semester course open to juniors and seniors who have taken or are registered for Art 2790 (2090).

Art 2770 requires departmental approval and is offered for **3 college credits** through **St. John's University**.

The figure drawings from life completed in this course will enhance a student's portfolio for all possible Visual Arts College admissions requirements. Projects include traditional Fine Arts assignments, such as anatomy, foreshortening, and portraiture in pencil, charcoal, chalk, pastel, colored pencil, collage, sumi ink, and finger-paint. A small fee will be collected for daily student models.

### **Art 2780**

#### **Digital Photography**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090) and Art 2930**. Art 2780 requires departmental approval.

This course explores the creation of art through digital photography. The use and care of traditional and digital photographic equipment will be covered. Through classroom presentations, field trips, historical studies, and experimental techniques, students learn how to compose, shoot, digitally manipulate (using the **Adobe Photoshop®** software program), and digitally print their own photographs. Students must have their own 35 mm SLR digital camera (with full manual overrides) and should expect to purchase some printing papers. Cameras are available for loan upon request.

### **ART 2790**

#### **Two-Dimensional Design**

A one-semester course open to juniors and seniors.

Art 279 requires departmental approval and is offered for **3 college credits** through **St. John's University**.

This course will give the student a working knowledge of two-dimensional composition in a variety of mediums as applicable to all Visual and Performing Arts Bachelor programs admissions requirements. Students are expected to purchase a variety of basic art materials and tools.

### **ART 2800**

#### **Painting**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090) and 2750 or 2770**. Art 2800 requires departmental approval.

This course is an introduction to the techniques of color and painting. The purpose of the course is to provide a basis for creative growth and expression. In this class, students explore the basics of color, paint types, acrylic mediums, brushes, knives, and accessories. They learn how to set up a palette. Students discover the history and basics of acrylic paint. Completed paintings provide students with portfolio pieces applicable to College Admissions portfolio requirements.

### **ART 2810**

#### **Graphic Design**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090) and Art 2930**. Art 2810 requires departmental approval.

This course emphasizes creative and technical ability in graphics, typography concept, and design and layout techniques. Projects relate to the field of advertising and editorial design such as logotypes, poster, packaging graphics, and corporate identity programs in traditional and digital media.

### **ART 2826**

#### **Advanced Placement Art History**

A two-semester course open to all juniors and seniors including non-art students.

Art 2826 requires departmental approval and has **no prerequisites**.

This survey in Art History explores the various historical movements in art, architecture, and the applied arts from primitive to the present. Class time will be divided among slide presentations, film and video viewing, lectures, discussion, and field trips to various NYC fine arts museums. The Advanced Placement Exam will be offered at the conclusion of the course. The course is also offered for **6 college credits** through **St. John's University**. For those students fulfilling a 3- or 5-unit sequence in art, this course may be used as a substitute for the senior Social Studies requirement. See Mr. Antinori for details.

### **ART 2830**

#### **Advanced Digital Design**

A one-semester course open to juniors and seniors who have taken or are taking **Art 2790 (2090) and Art 2930 or ART 2000 (H PERIOD)**.

**Art 2920 requires departmental approval.**

In this course, students continue to learn MAYA®, ADOBE PHOTOSHOP®, and a new software program MUDBOX®. They learn advanced techniques and methods to design 3D virtual models and create short animations. Students learn valuable three-dimensional design skills and knowledge that can be applied to Architecture, 3D Animation, Automotive Design, Fashion Design, Industrial Design, Interior Design, Video Game Design, Film FX, and Film and Video. Students leave this class with artwork for college admission portfolios. They get valuable experience that no other local high school offers and places them a step ahead of other students when entering college. The 1/2 credit obtained may be applied to the computer requirement for graduation.

### **ART 2860**

#### **Animation**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**. Art 2860 requires departmental approval.

The course introduces students to all basic forms and techniques of traditional animation from flip books through computer utilization. Tactile projects will be correlated with the history of animation. Knowledge of cartooning and video/film production is helpful but not mandatory.

### **ART 2880**

#### **Sculptural Design**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**. Art 2880 requires departmental approval.

Students learn how to apply fundamental elements and principles of art using three-dimensional mediums. In this class, students learn classical sculptural methods and techniques using materials such as crystalline wax, clay, wood, wire, and other materials. Students study artists throughout history and learn from sculptors that have survived the test of time. This is a hands-on class that will benefit any students who is interested in continuing art education in the future, especially students interested in Architecture, Industrial Design, Fashion Design, Animation, 3D animation, and Stage Design. Students leave this class with artwork that strengthens and adds variety to College Admissions portfolios.

### **ART 2890**

#### **Fashion Design**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090) and 2750 or 2770**. Art 2890 requires departmental approval.

This course is highly diversified. Students will interpret design in a variety of ways using principles of design and elements of art to compose works based on a yearly project and theme. Students will learn the fundamentals of sewing and create 2-3 designs that will be showcased in their **mandatory** participation in the **Spring Arts Festival Fashion Show**.

### **ART 2906**

#### **Advanced Placement Art Studio**

A two-semester course open to juniors and seniors who have taken or are taking **Art 2790 (2090) and two of the following classes: Art 2750, 2770, 2800, 2840, 2870**. Art 2906 requires departmental approval.

Students taking this course must be pursuing a 3- or 5-unit sequence in art. AP Studio is an in-depth course in the visual arts. It is designed for students who are seriously interested in the practical experience of art. Students will work two days after school and independently. With the guidance of the supervising teacher, students will focus on a portfolio area: drawing, photography, two-dimensional or three-dimensional design. In place of taking an examination, students submit portfolios for evaluation at the end of the course. **This course is taken for credit above the required 6 credits.**

### **ART 2920**

#### **Theater Design and Production**

**A one-semester course open to juniors or seniors who have taken ART 2740 or ART 2980.**

Art 2920 requires departmental approval.

This course is an advanced art elective for students interested in pursuing a Bachelor's degree in Stage and Production Management. It offers a hands-on approach in conjunction with the history of technical theater. Students will explore the art of lighting, set, costume, and make-up design. Under the guidance and direction of the Instructor, the class produces two main stage productions and one workshop performance. They will be assigned technical positions such as the role of the Stage Manager, Assistant Director, Lighting Designer, and Back Stage Managers. Projects will include creating a Prompt Book which can be used as part of their portfolio review for college interviews. Requirements include after school technical rehearsals with the cast of each production. **Mandatory participation in the Fall and Spring Art dept. stage productions, including the Spring Musical and the Spring Arts Festival.**

### **ART 2930**

#### **Computer Graphics**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**.

Art 2930 requires departmental approval.

The course deals with the classic issues of art through the contemporary medium of computer graphics. Students learn how to utilize **Adobe Creative Suite 5®** software programs to create computer-generated images for both fine and commercial art application. Previous computer skills are not required. Students are expected to invest time outside class to complete assignments and projects. The 1/2 credit obtained may be applied to the computer requirement for graduation.

### **ART 2940**

#### **Web Page Design**

A one-semester course open to juniors and seniors who have taken or are taking **Art 2790 (2090)** and **Art 2930**. The 1/2 credit obtained may be applied to the computer requirement for graduation.

Art 2940 requires departmental approval

This course is designed to provide a basic instruction in Web Page design using HTML (Hypertext Markup Language) Code and **Adobe Creative Suite 5®** software programs. Basic principles and concepts of design, coding, and linking will be covered. Students will be expected to invest time outside class to complete assignments and projects.

### **ART 2960**

#### **History of Cinema**

A one-semester course open to juniors and seniors including non-art majors.

Art 2960 requires departmental approval and has **no prerequisites**.

Cinema History is a course offered to students interested in film, video, drama, or communications. Students will view classic and contemporary American and foreign films to analyze their structure, concept, and appeal. Video rentals and downloads and field trips to various current films are required. Evaluation and feedback are through submission of various film analysis reviews.

### **ART 2980**

#### **Acting**

A one-semester course open to juniors and seniors.

Art 2980 requires departmental approval and has **no prerequisites**.

Acting is an advanced art elective for students interested in pursuing a Bachelor's Degree in the Performing Arts or Communication. Improvisation, scene study, acting techniques, and body awareness will be introduced in conjunction with theatre history. Requirements include after school rehearsals in preparation for their final performance evaluation on stage.

### **ART 2990**

#### **Introduction to Video and Film Production**

A one-semester course open to juniors and seniors who have taken or are registered for **Art 2790 (2090)**. Art 2990 requires departmental approval.

This course will develop a working knowledge of basic film-making including script development, story boarding, camera utilization, and digital editing through the production of various video shorts. All equipment is supplied; we use the **iMovie®** software program. Completed films will be premiered in either the February Student Film Festival or Spring Arts Festival.

# BUSINESS

Because business is such an important aspect of American life, preparation for living and working in a business world is provided for all students. Basic courses are offered to develop knowledge, skills, habits, attitudes, and ideas that are necessary for a successful beginning and advancement in business. The purpose of electives in business is to provide an opportunity for students to form a basis for further study in college.

**IMPORTANT:** All Business courses require pre-registration. Pre-register early because some classes have limited enrollment. To pre-register, go to the Business Page on the school's website, [www.sfponline.org](http://www.sfponline.org). Select *Departments*, and then *Business*. Select the correct class, answer the questions, and then submit!

## **BUS 4420**

Business Communications

A one-semester course

This course is open to juniors and seniors.

This course seeks to develop oral and written communication skills necessary for success in today's business environment. The importance of nonverbal communication will also be emphasized. Students will learn to conduct business meetings, create PowerPoint presentations, improve their negotiation skills, enhance their resume writing skills, draft business correspondence, and become familiar with office protocol. Common hiring procedures in today's marketplace will be addressed, and students will participate in mock interviews. Legal rights and obligations of the employer and employee will be defined. Workplace discrimination and methods of addressing this problem will be discussed.

## **BUS 4430**

Business Law

A two-semester course.

This course is open to juniors and seniors.

This course is designed to teach students their rights and obligations in everyday business transactions and to provide students with a basic understanding of the law as a code of conduct for society. Students will study the major legal principles governing contracts, negligence, business crimes, product liability, and insurance. Students will be required to complete a final research project. The student has the option to take this course for college credit from St. Francis College.

## **BUS 4440**

Business Computer Applications

A one-semester course

This course is open to juniors and seniors.

This course is designed to give students a basic, working knowledge of several commonly used business applications in the Microsoft Office Suite, including Word, Excel, PowerPoint, and Access. Students will become acquainted with the interrelationships between and among information, software programs, business activities, and business systems. NEW FOR 2013: This course will also include introductory keyboarding techniques, designed to develop alphabetic as well as numeric keyboarding skills needed for academic and business use. Students will increase their typing speed and accuracy by learning to type without looking at the keyboard.

**IMPORTANT:** This course **fulfills** the St. Francis Prep ½ unit computer requirement for graduation. **It does not** satisfy the State Science requirement.

**BUS 4460**

## Marketing

A one-semester course

This course is open to juniors and seniors.

This course is a general course in marketing theory and methods. Among topics discussed are the importance of marketing, the interrelationship of the different phases of marketing, the differences between the marketing of goods and services, wholesaling, retailing, pricing strategies, analysis of markets, and distribution. The course will concentrate on Promotion and Advertising, Buying and Distribution, Market Research, and Product Planning.

**BUS 4490**

## Accounting I

A two-semester course

This course is open to juniors and seniors.

This course provides students with an introduction to basic accounting concepts and teaches students to manually proceed through the accounting cycle and prepare financial statements. The goal of this course is to give students basic accounting skills that can be utilized in real world, for-profit business situations. The importance of ethics and the impact of unethical accounting on the business world and the individual investor will be explored. A final comprehensive examination will be given at the conclusion of the course. The student has the option to take this course for college credit from St. Francis College.

# COMPUTER SCIENCE

The objective of the Computer Science program at St Francis Prep is to offer students the opportunity to explore and develop an understanding of Computers in the framework of electronics, development, and theory. The courses offered are **all introductory courses in the topics of computer science and require no prior knowledge**. All the courses offered by the department provide an opportunity for students to form a basis for further study in college.

**PLEASE NOTE:** All Computer Science classes fulfill the computer science graduation requirement. They may also be used to fulfill up to 1 unit of the 3 required credits in Science.

All Computer Science courses require pre-registration. Pre-register early because some classes have limited enrollment. To pre-register, go to the Computer Science Page on the school's website, [www.sfponline.org](http://www.sfponline.org). Select *departments*, and then *Computer Science*. Select the correct class, answer the questions, and then submit!

## **Comp. Sc. 0040** (H Period)

Computer Electronics

A one-semester course

This course is open to juniors and seniors who complete pre-registration and receive the approval of the chair of the department.

This course is designed to provide a basic and practical knowledge of electronic concepts utilized in digital computer systems. It covers the theory and practical application of D.C. and A.C. current, Resistance, Capacitance, Oscillation, Inductance, Rectification, and Semi-conductors (Diode and Transistor). Students will become familiar with and recognize basic electronic components and their systems of measuring values and their interaction within simple circuits. Interpretation of electronic schematic diagrams will be part of the process. In lieu of a final examination, a final portfolio assessment will count for 20% of the final grade. The student has the option to take this course for college credit from Pace University.

## **Comp. Sc. 0050** (H Period)

Introduction to Java Programming

A one-semester course

This course is open to juniors and seniors who complete pre-registration and receive the approval of the chair of the department.

The objective of this course is to introduce the basics of the Java programming language. Java classes are programmed to meet in the Computer Lab. Students are exposed to programming in both console applications and object-oriented windows programs, much like the popular software packages that exist today. Students will be instructed in program logic, design, and language constructs and required to participate actively in class. Assignments may require programming in the Computer Lab outside class time. A final portfolio assessment will count as 20% of the final grade.

## **Comp. Sc. 0360**

Introduction to Artificial Intelligence

A one-semester course

This course is offered to juniors and seniors

This course is an introduction to Artificial Intelligence, which is an integral part of the computer science curriculum. In this course, students will learn how theory and applications complement each other. By integrating theory with a fully functional means of applying that theory to real-world situations, students will gain an appreciation for the role played by Artificial Intelligence in today's world. Students will be introduced to the topics of Artificial Intelligence with a focus on terminology, theory, uses, and influence of Artificial Intelligence on modern problems. The course will reflect some of the modern questions around Artificial Intelligence and the perceptions of it in popular culture, modern problem solving, and current uses. The course will also discuss the

ethical questions surrounding the use and manipulation of Intelligence in the environment of computer science. The classroom discussions will include lecture and video presentations about the perceptions and uses of Artificial Intelligence. In lieu of a final examination, a final portfolio assessment will count for 20% of the final grade

### **Comp. Sc. 0390**

Introduction to Robotics

A one-semester course

This course is open to juniors and seniors.

The objective of this course is to introduce the basic concepts of robotic technology and to teach the logical skills needed in planning, designing, and building simple robotic devices. The course will use classroom sessions to teach concepts and will involve hands-on experience with robotic device kits and group projects. Logical thinking will be required in the planning and simulation sessions prior to actual robot construction. Students will be encouraged to deal with more advanced concepts. Students are expected to work independently to complete projects on time.

### **Comp. Sc. 0480**

Introduction to C# Programming

A one-semester course

This course is open to juniors and seniors.

The objective of this course is to introduce the basics of the C# programming language. C# classes are programmed to meet in the Computer Lab. Students are exposed to programming in both console applications and object-oriented windows programs, much like the popular software packages that exist today. Students will be instructed in program logic, design, and language constructs and will be required to participate actively in class. Assignments will require programming in the Computer Lab outside class time. A final portfolio assessment will count as 20% of the final grade.

# ENGLISH

The English courses fulfill St. Francis Prep's mission as a college preparatory school by providing students with the essential skills vital for success in higher education: vocabulary and grammar development, reading comprehension, effective writing, literary analysis, and study techniques.

## Freshman Year

### Eng. 6100

#### **English 9, Honors**

A two semester course

This course provides an intensive study of high school language-arts. The curriculum builds on the reading, writing, listening, and speaking skills which the students mastered in their grammar, junior high, middle, and intermediate schools. The major areas of concentration include introduction to literary genre and analysis, grammar and composition, vocabulary, and study skills.

Eng. 6100 requires departmental approval. Students enter this course based on their performances on the high school entrance examination and standardized exams taken in the seventh and eighth grades.

### Eng. 6120

#### **English 9**

A two semester course

This course presents a study of high school language-arts. The curriculum builds on the reading, writing, listening, and speaking skills which the students studied in their grammar, junior high, middle, and intermediate schools. The major areas of concentration include introduction to literary genre and analysis, grammar and composition, vocabulary, and study skills.

This course is required of all freshmen, except those placed in English 9, Honors.

## Sophomore Year

### Eng. 6200

#### **English 10, Honors**

A two semester course

This course provides an intensive continuation of the development of language-arts skills, reading comprehension, and literary analysis that began in English 9. Students are challenged by more advanced reading and writing assignments which mature their facility with language and with analyzing different literary genres. Although much of the literature of the curriculum is drawn from British authors, other national texts may be included. The curriculum also includes grammar, composition, vocabulary, and PSAT/SAT preparation.

Eng. 6200 requires departmental approval. Students enter this course based on their performance in freshman English. Students must achieve at least a 93% average, exhibit superior writing skills during the academic year and obtain the recommendation of their English 9 teacher to apply for departmental approval. Students also may be required to perform well on an essay administered and graded by the English department.

### Eng. 6220

#### **English 10**

A two semester course

This course continues the development of language-arts skills, reading comprehension, and literary analysis that began in English 9. Students are challenged by more advanced reading and writing assignments which mature their facility with language and with analyzing different literary genres. Although much of the literature of the curriculum is drawn from British authors, other national texts may be included. The curriculum also includes grammar, composition, vocabulary, and PSAT/SAT preparation.

This course is required of all sophomores, except those approved for English 10, Honors.

## Junior Year

### **Eng. 6306**

#### **Advanced Placement English in Language and Composition**

A two semester course

As the junior honors class, this course is designed for advanced students who have exhibited a high degree of interest and accomplishment in their English studies at St. Francis during their freshman and sophomore years. This course presents an intensive survey of American literature from its beginnings to the present. Through chronological and thematic approaches, students study the significant texts of the major areas of American literature: Puritanism, Romanticism, Transcendentalism, Realism, Modernism, and Post-Modernism. Students focus on mastering their expository writing skills, especially the literary essay. The curriculum also includes grammar, vocabulary, and PSAT/SAT preparation. All junior students take the New York State Regents exam in June.

Eng. 6306 requires departmental approval. Students enter this course based on their performance in sophomore English. Students must achieve at least a 93% average, exhibit superior writing skills during the academic year, and obtain the recommendation of their English 10 teacher to apply for departmental approval. Students also may be required to perform well on an essay administered and graded by the English department.

**PLEASE NOTE:** Students in this course may sit for the Advanced Placement Examination in English Language and Composition upon the recommendation of the teacher. The course includes preparation for successful achievement on the exam. This is the only way to take this A.P. Exam in English; students in other English courses may not sit for the exam.

### **Eng. 6320**

#### **English 11**

A two semester course

This course presents a survey of American literature from its beginnings to the present. Through chronological and thematic approaches, students study the significant texts of the major areas of American literature: Puritanism, Romanticism, Transcendentalism, Realism, Modernism, and Post-Modernism. Students focus on mastering their expository writing skills, especially the literary essay. The curriculum also includes grammar, vocabulary, and PSAT/SAT preparation. All junior students take the New York State Regents exam in June.

This course is required of all juniors, except those students approved for Advanced Placement Language and Composition.

### **Senior Year**

Seniors are required to take one (1) unit in English. This requirement may be fulfilled by taking one full-year (two semester) course OR two half-year (one semester) courses. Students may **NOT** register for more than the one-unit requirement.

**PLEASE NOTE:** All students registering for senior English courses must list alternates. Scheduling conflicts may necessitate assigning students to alternate classes.

### **Full-Year Courses (Two-Semester Courses)**

### **Eng. 6506**

#### **Advanced Placement English in Literature and Composition**

A two semester course

As the senior honors class, this course is designed for advanced students who have exhibited a high degree of interest and accomplishment in their English studies at St. Francis. A.P. English focuses on the analysis of poetry, fiction, and drama from the Western canon. In addition to participating in intelligent class discussion, students are required to respond to complex essay questions that ask them to connect style and meaning. Students must apply their knowledge of figurative language, narrative, and dialogue to the works in each genre and write essays that require coherent theses, specific detailed references, and consistent focus.

Eng. 6516 requires departmental approval. Students enter this course based on their performance in junior English. Students must achieve at least a 93% average, exhibit superior writing skills, and obtain the recommendation of their English 11 teacher to apply for departmental approval. Students also may be required to perform well on an essay administered and graded by the English department.

**PLEASE NOTE:** All students in this course must sit for the Advanced Placement Examination in English Literature and Composition. The course includes preparation for successful achievement on the exam. This is the only way to take the A.P. Exam in English; students in other English courses may not sit for the exam..

### **Eng. 6520**

#### **World Literature: Great Authors of Many Nations**

A two semester course

This course considers literature of the Western and non-Western canon, exclusive of England and the United States. The curriculum includes reading and analysis of the great writers and works of Continental Europe, South America, Russia, Asia, and Africa from civilizations past and present. Students will particularly focus on the texts as products of the culture in which they were written and the effect of reading works in translation. The course includes all literary genres: poetry, novels, short stories, drama.

### **Eng. 6540**

#### **Drama: Shakespeare and Company**

A two semester course.

The course examines representative plays of Western drama from its beginnings in ancient Greece through the Renaissance to the contemporary theater of the United States and England. The approach is historical and thematic. The course includes a study of major playwrights including Sophocles, Shakespeare, Ibsen, Beckett, Pirandello, O'Neill, Miller, Williams, and Stoppard. Students focus on how philosophical, political, moral, and cultural attitudes shape each playwright's vision. Issues we will consider include drama as text and performance, stagecraft, playwriting, and theater and film criticism.

### **Half-Year Courses (One-Semester Courses)**

You must register for **two** of the following course to fulfill your one unit requirement in English.

### **Eng. 6630**

#### **Gothic Literature: The Mysterious and the Grotesque**

A one semester course

This course fosters an understanding of American "Gothic" literature: the study of the supernatural, the darkness, the mysterious, and the grotesque. We will trace the origins and development of Gothic literature in Europe, but will concentrate on American authors. Students will also explore Gothicism in popular culture. The course includes all literary genres: poetry, novels, short stories, drama.

### **Eng. 6680**

#### **Fiction: The Short Story, The Novella, The Novel**

A one semester course

This course is an examination of prose fiction. Students will read and analyze prose fiction in all its forms: the short story, the novella, and the novel. Students study the historical development of prose fiction, especially the major British, American, and European Continental writers who significantly have advanced the form in the nineteenth century, the twentieth century, and contemporary literature.

### **Eng. 6690**

#### **Poetry: "The Best Words in their Best Order"**

A one semester course

This course examines how poems create their effects on readers. Students study how a poem begins as a "spontaneous overflow of powerful feelings" in the poet and finishes as evocative language on the page. Students analyze how the poet takes his source of inspiration, crafts it into imagery, and gives insight into human experience. The course includes poems from the entire history of English verse including epic poetry and narrative poetry. The curriculum also includes a selection of "lyrical" novels.

## Special Courses

### Eng. 6920

#### **English Enrichment**

A two semester course

This course is designed for English language learners for whom English is a second language and whose writing skills need improvement. The course focuses on giving the students the skills necessary to write clear and effective essays. Students will concentrate on the grammar and construction issues vital for English language learners. Students learn how to improve their essay writing in all their academic subjects.

**NOTE:** Students are placed in this class after a careful evaluation of their writing skills. This evaluation may take place during the admissions process or on the recommendation of a student's English teacher in consultation with the chairperson of the English department. This course must be taken in addition to the regular full unit of English.

# FOREIGN LANGUAGE

The study of foreign language requires a developmental approach and implies a progressive acquisition of linguistic skill. The values gained from learning a language will be related to the amount of time and effort devoted to it. The study of another language usually brings about a gradually expanding and deepening knowledge of the country, people, geography, history, social institutions, and culture of the people who speak the particular language. As a consequence, we acquire a better perspective on our own culture.

## **Span. 3100**

Spanish I, Natives

A two-semester course

This course is open to freshmen who are native speakers.

Span. 3100 requires departmental approval.

The course is designed to encourage the native speakers to develop a more intensive knowledge of their native tongue by broadening their grammatical, reading, listening, and speaking skills in an accelerated program.

## **Span. 3110**

Spanish I

A two-semester course

This course is open to freshmen who have had no previous instruction in the language or who are not prepared to handle Span. II and juniors and seniors who wish to begin a second language.

This introductory Spanish course focuses on developing understanding, speaking, reading, and writing skills.

## **Span. 3190**

Spanish II, Natives

A two-semester course

This course is open to sophomores who have completed Spanish I for natives.

Span. 3190 requires departmental approval.

This course seeks to increase competency and understanding of the skills developed in Course I. The contributions of the Spanish World and its culture will be emphasized. The Spanish III Regents is taken in June.

## **Span. 3130**

Spanish II

A two-semester course

This course is open to students who have completed Spanish I.

This is a continuation of the first year of foreign language study in which the four language skills of understanding, speaking, reading, and writing will be creatively used for communication, learning, and personal enrichment. The course will pursue a deeper understanding of the basic behavioral and cultural patterns of other lands.

## **Span. 3140**

Spanish III, Honors

A two-semester course

The course is open to students who have completed Spanish II.

Span. 3140 requires departmental approval.

Students will be required to take a departmental exam.

This intensive course is designed for students who have acquired a solid foundation in Spanish levels I and II and have evidenced special ability in the language. Students will increase their competence in the basic skills

as they acquire knowledge about daily life in the Spanish-speaking world. The Spanish III Regents is taken in June.

### **Span. 3150**

Spanish III

A two-semester course

The course is open to students who have completed Spanish II.

This course will seek to increase competence in understanding the language, to further the ability to speak it correctly, to develop writing skills, and to improve students' ability to read with direct comprehension. The Spanish III Regents is taken in June.

### **Span. 3160**

Spanish IV

A two-semester course

This course is open to students who have completed Spanish III or Spanish II, Natives.

Span. 3160 requires departmental approval.

Enrollment will be limited.

This course is designed to broaden and deepen knowledge of the Spanish-speaking world and the Spanish language; it is designed for enthusiasts of culture and language. The class includes grammar review and vocabulary expansion on an "as-needed" basis. Students will view popular Spanish-language films and explore the world of literature through a brilliant Spanish novella.

**PLEASE NOTE:** The class is conducted in Spanish.

### **Span. 3176**

Advanced Placement Spanish Language

A two-semester course

This course is open to native Spanish students who have completed Spanish II, Natives, or Spanish III and to exceptionally able non-native students who have completed Spanish III.

Spanish 3176 requires departmental approval and a 90% average. Students may be required to take a written test. Enrollment will be limited.

The Advanced Placement program in Spanish Language is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. The culture, customs, and traditions of the Spanish-speaking world will be explored through literary selections. Students must take the Advanced Placement Language examination in May.

### **Span. 3182**

Intermediate Spanish Conversation

A two-semester course

This course is open to students who have completed Spanish III. Native Spanish speakers may not take this class.

Span. 3180 requires departmental approval, a 90% average, and a willingness to converse in Spanish.

This course will be limited to 25 students per class.

This is a course designed to develop audio-lingual skills in the Spanish language. The focus will be on speaking and understanding the language used in daily communications and in developing techniques and vocabulary for conversation and discussion. An exploration of the cultural background, customs, and traditions of the Spanish-speaking world will be offered through short literary selections. This course is available for college credit through St. John's University.

### **Fren. 3210**

#### French I

A two-semester course

This course is open to freshmen who have had no previous instruction in the language or who are not prepared for French II and for juniors and seniors who wish to begin a second language.

The course is an introduction to French. The main focus is to develop understanding, speaking, reading, and writing skills.

### **Fren. 3230**

#### French II

A two-semester course

This course is open to students who have completed French I.

The course continues development of the four language skills of understanding, speaking, reading, and writing by using them creatively for communication, learning, and personal enrichment. Developing deeper understanding of the behavioral and cultural patterns of other lands is a goal.

### **Fren. 3240**

#### French III, Honors

A two-semester course

This course is open to students who have completed French II. Fren. 3240 requires departmental approval.

This course is designed to broaden the student's basic skills. Special emphasis will be placed on studying cultural aspects of the French-speaking world and promoting appreciation of French literature through the reading selections. Creative writing techniques, along with direct comprehensive skills in listening and reading, will be sharpened. The French III Regents is taken in June.

### **Fren. 3250**

#### French III

A two-semester course

This course is open to students who have completed French II.

This course is designed to further the students' study of French. Particular emphasis will be placed on speaking, auditory comprehension and writing skills. French culture and customs will be examined for a greater appreciation of the French contribution to the world. The French III Regents examination is taken in June.

### **Fren. 3260**

#### French IV

A two-semester course

This course is open to students who have completed French III

French 3260 requires departmental approval.

Improvement in the students' speaking, listening, reading and writing skills will be one of the major goals of this course. Literature, history, culture, and customs of the individual countries will be included. This course is available for college credit through St. John's University.

### **Ital. 3310**

#### Italian I

A two-semester course

This course is open to freshmen who have had no previous instruction in the language or who are not prepared for Ital. II and for juniors and seniors who wish to begin a second language.

The course is an introduction to Italian. The main focus is to develop understanding, speaking, reading, and writing skills.

**Ital. 3320**

## Italian II

A two-semester course

This course is open to students who have completed Italian I.

Special attention will be given to the four language skills of understanding, speaking, reading, and writing to provide personal enrichment and to aid in communication and comprehension. The course will pursue a deeper understanding of the basic behavioral and cultural patterns of other lands.

**Ital. 3330**

## Italian III

A two-semester course

This course is open to students who have completed Ital. II.

This course aims to increase competency through improving the ability to speak on relevant topics and to attain direct comprehension when listening or reading. It also seeks to foster an appreciation of Italian literature and to enhance creative writing skills after the basics have been mastered. The Italian III Regents is taken in June.

**Ital. 3350**

## Italian III, Honors

A two-semester course

This course is open to students who have completed Italian II.

Ital. 3350 requires departmental approval.

Students will be required to take a departmental exam.

This course is designed for students who have acquired a solid foundation in Italian levels I and II and have evidenced a special ability in the language. Students will increase their competence in listening, speaking, reading and writing skills, emphasizing aspects of daily life in the Italian-speaking world through group and individual work. The Italian III Regents is taken in June.

**Ital. 3360**

## Italian IV

A two-semester course

This course is open to students who have completed Italian III.

Ital. 3360 requires departmental approval.

Enrollment in this class will be limited.

This course focuses on development of the students' ability to speak, understand, write, and comprehend the language. Students will discuss Italian artists, such as Michelangelo, Brunelleschi, Cimabue, and DaVinci; Italian writers, such as Petrarca, Dante, St. Francis, St. Thomas, Pavese, Pirandello, and Calvino; and Italian geography, including all 20 regions of northern, central, and southern Italy, Tuscany, and Rome. Students will also have debates, watch Italian movies, and discuss Italian-Americans in art, music, film, and literature. Grammar will be an essential part of the class. This course is available for college credit through St. John's University.

**PLEASE NOTE:** The class will be conducted solely in Italian; students must be able to converse in Italian well.

**Ger. 3410**

## German I

A two-semester course

This course is open to freshmen who have had no previous instruction in the language or who are not prepared for Ger. II and for juniors and seniors who wish to begin a second language.

The course is an introduction to German. The main focus is to develop understanding, speaking, reading, and writing skills.

**Ger. 3420**

German II

A two-semester course

This course is open to students who have completed German I.

This is a continuation of the first year of foreign language study in which the four language skills of understanding, speaking, reading, and writing will be actively and creatively used for communication, learning, and personal enrichment. The course will pursue a deeper understanding of the basic behavioral and cultural patterns of other lands.

**Ger. 3430**

German III

A two-semester course

This course is open to students who have completed German II.

The course will sharpen the students' basic skills through expanded readings, conversation, and original writing. By studying the culture, students will gain greater understanding of the German people. The German III Regents is taken in June.

# HEALTH AND PHYSICAL EDUCATION

The Health and Physical Education Department is designed to develop the physical, mental, and social skills necessary for the well-rounded individual. By exposing the students to a variety of individual, team, and dual sports and classroom instruction in Health education, we hope to stimulate an interest that can be continued for life. We also recognize the importance of encouraging students to become physically fit. This fitness will be attained in our classes which stress a healthful lifestyle: determining behavior risk factors, cardiovascular fitness, muscular strength, endurance, flexibility, and body composition. We hope that by graduation the students will have been directed toward lifelong physical activity that will aid in the maintaining of fitness throughout adulthood..

*“The greatest wealth is health.” ~ Virgil*

## **FIRST AID, NUTRITION, AND HEALTH DO NOT SATISFY THE PHYSICAL EDUCATION REQUIREMENT.**

### **Phys. Ed. 7010** (H Period)

Health

This section is open to seniors only: limited to 60 students.

Phys.Ed. 7010 requires pre-registration on the St. Francis Prep website.

Selection will be done based on a lottery.

Please see Phys. Ed. 7910 for description.

### **Phys. Ed. 7910**

Health

A one-semester course

This course, **required for graduation**, is open to juniors and seniors.

**Current JUNIORS who will be SENIORS in September DO NOT need to pre-register for this Health class. Current SOPHOMORES who wish to take Health as a JUNIOR is required to pre-register on the St. Francis Prep website.**

The topics covered in this course include the following: Alcohol, Communicable and Non-communicable Diseases, First

Aid, Holistic Health, Mental Health, Substance Use and Abuse.

### **Phys. Ed. 7920**

First Aid: Responding to Emergency

A one-semester course

This course is open to juniors and seniors.

P.E. 7920 requires pre-registration on the St. Francis Prep website. LIMITED to 30 students

This is an elective course which does not fulfill health or physical education requirements. The American Red Cross (ARC), Advanced First Aid, Personal Safety, and Basic Life Support Courses are the basis for this study.

At the conclusion of the course, ARC certificates are awarded if requirements are met. This course comprises development of practical knowledge and skills in prevention, symptoms, and initial care of numerous injuries and sudden illnesses, including Cardiac Arrest and Cardiopulmonary Resuscitation.

### **Phys. Ed. 7940**

Nutrition

A one-semester course

This course is open to juniors and seniors.

P.E. 7940 requires pre-registration on the St. Francis Prep website. LIMITED to 30 students.

This is an elective course which does not fulfill the physical education or health requirement. Nutrition will encompass the day in and day out choices that we make about food intake. It studies the proper eating of food for growth and development.

**Students with a MEDICAL RESTRICTION or DISABILITY should consult the nurse or Dept. Chairperson before registering.**

**PLEASE NOTE: No Physical Education course may be repeated.**

### **Phys. Ed. 7120**

Physical Education 9

A two-semester course

This course is required of freshmen.

The course introduces the student to the various physical skills that develop coordination and dexterity: fitness, gymnastics, square dance, soccer. We evaluate our freshman students according to the National Standards provides valuable information on each student's current fitness level. The fitness tests given annually September through November include the mile run (cardiovascular endurance), sit-ups for one minute (muscular endurance), sit and reach (flexibility), and pushups for one minute (muscular strength).

### **Phys. Ed. 7220**

Physical Education 10

A two-semester course

This course is required of sophomores.

This course builds individual and team-sports skills: basketball, volleyball, track and field, modern dance, lacrosse, and field hockey.

### **Phys. Ed. 7310**

Advanced Physical Education I

A two-semester course

This course is open to juniors.

P.E. 7310 requires an invitation from the chairperson.

This course will include in the first half-year two periods of instruction and one period of lab class. In the second half-year, one period of instruction and two periods of lab classes are required. The lab involves assisting a freshman or sophomore physical education class. The course will fulfill the physical education requirements for the junior year. Upon successful completion of the course and with approval from the instructor, students may fulfill their senior year requirement in four lab periods of service work, two each semester.

### **Phys. Ed. 7610**

Touch Football and Weight Training

A fall and spring semester course

This course is open only to junior and senior boys. If you have taken this course in junior year, you cannot repeat.

Touch football teaches basic skills following the rules and terminology of football in game situations. Instead of tackling a player, the object is to touch the opponent. Weight training will be in the second quarter. Students will learn about the physical development of their body through the use of weights.

**Phys. Ed. 7640**

Speedball and Soccer

A fall semester course

This course is open to junior and senior boys. If you have taken this course in junior year, you cannot repeat it.

Speedball is a combination of soccer, basketball, and football. Soccer introduces the skills of passing, trapping, shooting, heading, and goal-tending. The weight room will also be used.

**Phys. Ed. 7650**

Basketball and Lacrosse

A fall semester course

This course is open only to junior and senior boys. If you have taken this course in junior year, you cannot repeat.

This course uses team sports to incorporate running, hand-eye coordination, and cooperation in combination with advanced strategies and techniques.

**Phys. Ed. 7660**

European Handball and Self-Defense

A spring semester course

This course is open only to junior and senior boys. If you have taken this course in junior year, you cannot repeat.

European Handball uses a combination of basketball and football skills in a team game. In Self-Defense, students will receive individual instruction and have team-building experiences while using safety equipment.

**Phys. Ed. 7680**

Advanced Physical Education II

A two-semester course

This course is open to seniors who have completed P.E.7310. P.E. 7680 requires that you pre-register on the St. Francis Prep website.

Students in this class will assist teachers in the freshman and sophomore physical education classes. Students will have two classes of lab work each cycle. They will also have two classes of instruction each quarter with the time prearranged with the instructor at the beginning of the term. The course fulfills the physical education requirement.

**Phys. Ed. 7710**

Touch Football and Soccer

A fall semester course

This course is open only to junior and senior girls. If you have taken this course in junior year, you cannot repeat.

Touch Football teaches basic skills following the rules and terminology of football in game situations. Instead of tackling a player, the object is to touch the opponent. Soccer will include the basic skills used: passing, dribbling, shooting, trapping, and heading. After a review of skills, students will then apply them in a game situation.

**Phys. Ed. 7720**

Girls' Lacrosse and Field Hockey

This course is open to junior and senior girls. If you have taken this course in junior year, you cannot repeat it.

Lacrosse teaches techniques of stick handling, scooping, over-the-shoulder throwing, cradling, and shooting. It will be taught in the first quarter. Field Hockey stresses the skills of stick and ball control. It enhances the skills acquired during sophomore year and develops into a team game.

**Phys. Ed. 7780**

Girls' Conditioning and Self-Defense

A spring semester course

This course is open only to junior and senior girls. If you have taken this course in junior year, you cannot repeat.

Conditioning is designed to firm-up the body and increase overall physical well-being. The weight room will be used. In Self-Defense, students will receive individual instruction and have team-building experiences while using safety equipment.

**Phys. Ed. 7790**

Modern Dance and Aerobics

A spring semester course

This course is open only to junior and senior girls. If you have taken this course in junior year, you cannot repeat.

Modern Dance employs the elements of ballet and jazz movements with emphasis placed on choreography. Aerobics draws on aspects of dance to improve the student's cardiovascular system, stamina, and endurance through vigorous routines set to music.

**Phys. Ed. 7820**

Tennis, Jogging, and Fitness Walking

A fall semester course

This course is open to juniors and seniors. If you have taken this course in junior year, you cannot repeat it.

Tennis will review all of the aspects of this sport, including the strokes, rules, and scoring. Jogging and Power Walking will improve the jogger's cardiovascular system. The importance of fitness will be stressed.

**Phys. Ed. 7850**

Paddleball and Golf

A fall and spring semester course

This course is open to juniors and seniors. If you have taken this course in junior year, you cannot repeat it.

Paddleball is a combination of tennis and handball. Golf provides instruction in all strokes of this sport.

**Phys. Ed. 7860**

Volleyball and Softball

A spring semester course

This course is open to juniors and seniors. If you have taken this course in junior year, you cannot repeat it.

Volleyball will be played using advanced techniques. Softball will be played after using two or three classes for instructional purposes.

**Phys. Ed. 7870**

Cardio-Kickboxing and Project Adventure

A one-semester course

**This course is open to seniors only.**

Phys.Ed. 7870 requires pre-registration on the St. Francis Prep website.

**LIMITED ENROLLMENT**

Cardio-Kickboxing is a workout program designed to improve strength, endurance, and flexibility by combining kickboxing skills with music. Project Adventure gives students an opportunity to participate in challenging activities that promote teamwork, trust, communication, and cooperation.

**Phys. Ed. 7880**

Tai Chi and Yoga

A one-semester course

This course is open to juniors and seniors.

P.E.7880 requires pre-registration on the St. Francis Prep website. If you have taken this course in junior year, you cannot repeat it. LIMITED to 200 students

Tai Chi is fast becoming one of the most popular forms of fitness training in the world today, but it is not just about fitness. Tai Chi is an ancient Chinese “soft” Martial Art, a relaxation technique and an exercise for fitness. Yoga explores the ways to return the body to its natural state of flexibility. The course is designed to explore the physical and mental dimension of yoga for toning, relaxing, and stretching.

Electives Summary

BOYS ONLY:

7610

7640

7650

7660

7880

GIRLS ONLY:

7710

7720

7780

7790

MIXED:

7820

7850

7860

7870

SPECIALIZED:

7310 - Jrs.

7680 – Srs.

# MATHEMATICS

The Mathematics Department offers students a four-year Mathematics program that will enable them to pursue more advanced courses in college and also prepare them for future life situations. An honors program is offered for the higher ability student, culminating with Advanced Placement Mathematics or Calculus.

\* **Requires Departmental Approval** means that there are specific qualifications for the various courses. Classroom teachers will explain these qualifications to the students.

All course selection forms must be signed by current Mathematics teacher.

**IMPORTANT:** Every Mathematics course requires the purchase of the Texas Instruments Graphics Calculator (T.I. 84+).

**PLEASE NOTE:** Students entering high school starting September 2007 are required to pass one Mathematics Regents exam in order to graduate from high school in New York State. The Regents exams are as follows:

Integrated Algebra 1

Integrated Geometry

Integrated Algebra 2.

The Regents exams are given in June of each year.

## **Math 5100**

Integrated Algebra 1, Honors

A two-semester course

This course is open to ninth-graders.

Math 5100 requires departmental approval.

This course is for students with above average mathematical ability. It includes an in-depth study of the concepts of Algebra I as well as enrichment topics. Students take Algebra 1 Regents exam in June.

## **Math 5120**

Integrated Algebra 1

A two-semester course

This course is required for ninth-graders.

This course integrates the various branches of mathematics presenting concepts both algebraically and geometrically. Included are topics from statistics, probability, and logic. Students take the Algebra 1 Regents exam in June.

## **Math 5130**

Integrated Geometry, Advanced

A two-semester course

This course is open to ninth-graders who have completed a year of Algebra 1.

In order to advance to the second year of high school mathematics as a ninth-grader at St. Francis Prep, a student **MUST** take the Math placement exam that is given in May.

Math 5130 requires departmental approval.

This is a Regents course that integrates the various branches of mathematics. Included are topics from logic, mathematical systems, Euclidian geometry, analytic geometry, solutions of quadratic equations, and probability, permutations, and combinations. Students take the Integrated Geometry Regents exam in June.

## **Math 5200**

Integrated Geometry, Honors

A two-semester course

This course is open to sophomores who have completed Math 5100 or Math 5120.

Math 5200 requires departmental approval.

This course is an Honors Regents course which includes the regular Geometry curriculum with optional topics. Students take the Integrated Geometry Regents exam in June.

### **Math 5220**

Integrated Geometry

A two-semester course

This course is required for sophomores.

This is a Regents course that integrates the various branches of mathematics. Included are topics from logic, mathematical systems, Euclidian geometry, analytic geometry, solutions of quadratic equations and probability, permutation and combinations. Students take the Integrated Geometry Regents exam in June.

### **Math 5300**

Integrated Algebra 2, Honors

A two-semester course

This course is open to students who have completed Geometry.

Math 5300 requires departmental approval.

This is an honors course for sophomores and juniors who have above average marks in Algebra and Geometry. This course includes the Regents exam test topics as well as some pre-calculus material. Students must take the Integrated Algebra 2 Regents exam in June.

### **Math 5320**

Integrated Algebra 2

A two-semester course

This course is required for juniors who have not completed Algebra 2.

This is a Regents course. The topics of the course include algebra, linear equations, matrices, quadratic equations, logarithmic functions, trigonometry, and other related topics. Students take the Integrated Algebra 2 Regents exam in June.

### **Math 5370**

Algebra 2A

A two-semester course

This course is open to juniors who have not completed Algebra 2.

Math 5370 requires departmental approval.

This course covers the Algebra 2 curriculum with the total integration of the graphics calculator. The course integrates the study of Algebra, Geometry, Trigonometry, and specific topics in logic, statistics, and probability.

**PLEASE NOTE:** This class is closed to further additions after February without the explicit approval of the Chairperson.

**MATH ELECTIVES:** Explicit requirements will be presented to students during class.

All Math electives may be taken for college credit.

### **Math 5400**

Math Analysis, Honors (Pre-Calculus Honors)

A two-semester course

This course is open to juniors who have completed Algebra 2.

Math 5400 requires departmental approval.

This is an honors pre-calculus course which includes topics in advanced algebra, analytic geometry, functions, and other topics which are necessary background for the study of elementary calculus.

### **Math 5450**

Math 12

A two-semester course

This is a pre-calculus course that is open to juniors and seniors who have completed Algebra 2.

Math 5450 requires departmental approval.

This course will include a thorough, mathematically mature approach to the basic concepts of algebra and geometry. It will provide an in-depth study of analytical geometry, functions, complex numbers, and

polynomial equations with an introduction to polar coordinates, sequences, series, and limits. Thus, Math 12 serves as a foundation for the study of calculus. Supplementary topics will be included if the teacher chooses to lead the class into other areas of advanced algebra.

### **Math 5506**

Advanced Placement Calculus, A.B.

A two-semester course

This course is open only to seniors who have had some pre-calculus or math analysis.

Math 5506 requires departmental approval.

This is a college level course which includes applications of differential and integral calculus. Students are required to take the Advanced Placement examination in May. Success on this exam could earn a student college credit or advanced placement, or both.

### **Math 5510**

Calculus, Honors

A two-semester course

This course is open to advanced juniors and seniors.

Math 5510 requires departmental approval.

This course includes a study of pre-calculus topics. Emphasis is given to calculus, including differentiation and some integration. It is geared to the student who wants to take calculus, but does not want the advanced placement course or is not accepted for advanced placement.

### **Math 5520**

Pre-Calculus

A two-semester course

This course is open to juniors and seniors.

Math 5520 requires departmental approval.

The course requires that students have taken Algebra 2. The course is designed for those who will study mathematics, science, and related fields in college. Areas covered are limits, conics, functions, parameter equations, polar coordinates, and elementary differentiation. All the essential background material needed for a college calculus course will be reviewed. If time permits, elementary integration will also be covered.

### **Math 5550**

Probability and Statistics

A two-semester course

This course is open to seniors only.

Math 5550 requires departmental approval.

This course will include concepts of probability and descriptive inferential statistics, with an emphasis on the applications of statistics in modern life, including the fields of sociology, business, economics, ecology, education, medicine, psychology, and mathematics. The relationship between statistics, analytical thinking, and decision-making will be a major topic.

**PLEASE NOTE:** This course is closed after February.

### **Math 5596**

Advanced Placement Calculus B.C.

A two-semester course

This course is open to seniors only.

Math 5596 requires departmental approval.

This course is a continuation of A.P. Calculus AB. It continues with more sophisticated integration and series and sequences. Students must take the A.P. exam in May.

# MUSIC

The Music curriculum offers students an opportunity to broaden their cultural background and to prepare for college-level work. The music program is designed for three types of students: those who wish to fulfill their music requirement; those who have an interest in music and enjoy performing; and those who expect to major in music or music education in college.

## **CERTIFICATE OF ADVANCED STUDY IN MUSIC**

The Certificate of Advanced Study in music will be awarded by the Music Department of St. Francis Prep upon completion (in senior year) of the following requirements.

- A) The student has completed three or more years of study in one of the department's performing ensembles (the same ensemble for 1.5 credits minimum). The student must be registered for this ensemble during his or her senior year. Students who took 2230, 2240, 2250, or 2260 in sophomore year may use that course to fulfill the 3<sup>rd</sup> year of the primary ensemble requirement.
- B) The student has completed a minimum of three years of study in a second performing ensemble. The student must register for this ensemble during his or her senior year. Students who took 2230, 2240, 2250, or 2260 in sophomore year may use that course to fulfill the 3<sup>rd</sup> year of the primary ensemble requirement.
- C) The student completes a minimum of two full units of music knowledge courses: two full credits from Music Theory, Music History, or Principles of Orchestration and Electronic Composition.
- D) The student completes a minimum of 3 years of music lessons or the student completes 3 units of music knowledge courses. Students who took 2230, 2240, 2250, or 2260 in sophomore year may use that course to fulfill the 3<sup>rd</sup> year of the primary ensemble requirement.
- E) The student has an average of 93% or higher in the above music courses.
- F) The student meets all requirements for the five-unit sequence.
- G) The student **MUST** be in good standing with the department as determined by the Music faculty.
- H) Seniors applying for the certificate must complete the departmental application and meet all deadlines.

Applications for Certificate can be picked up in W001 starting March 1. Applications must be returned by April 2.

### **3-Unit MUSIC SEQUENCE**

|                   |         |
|-------------------|---------|
| Music Performance | 2 units |
| Music Knowledge   | 1 unit  |

### **5-Unit MUSIC SEQUENCE**

|                   |         |
|-------------------|---------|
| Music Performance | 3 units |
| Music Knowledge   | 2 unit  |

### **MUSIC KNOWLEDGE COURSES**

|                          |        |
|--------------------------|--------|
| Music Theory I           | ½ unit |
| Music Theory II          | 1 unit |
| History of Music         | 1 unit |
| Electronic Orchestration | ½ unit |

### **MUSIC PERFORMANCE COURSES**

|                            |                 |
|----------------------------|-----------------|
| Beginning Instrumental (9) | ½ unit          |
| Woodwind (10)              | ½ unit          |
| Brass (10)                 | ½ unit          |
| Percussion (10)            | ½ unit          |
| Strings (9 or 10)          | ½ unit          |
| Concert Chorus (9 - 12)    | ½ unit (ea.yr.) |
| Concert Band (9 - 12)      | ½ unit (ea.yr.) |
| Stage Band (9 - 12)        | ½ unit (ea.yr.) |
| Perc. Ensem. (9 - 12)      | ½ unit (ea.yr.) |
| Prep Chorus (9 - 12)       | ½ unit (ea.yr.) |
| Music Lessons (9 - 12)     | ½ unit (ea.yr.) |
| Chamber Choir (9 - 12)     | ½ unit (ea.yr.) |
| String Orchestra (9 - 12)  | ½ unit (ea.yr.) |
| Honors Orchestra (9 - 12)  | ½ unit (ea.yr.) |
| Chamber Orchestra (9 - 12) | ½ unit (ea.yr.) |

**PLEASE NOTE:** Students planning to complete the music sequence should consult a member of the music department. Such students are encouraged to study privately. The freshman course, Mus. 2120, is not applicable toward the music sequence.

**STUDENTS SHOULD CLEARLY UNDERSTAND THAT MUSIC COURSES ARE PERFORMING COURSES AND REQUIRE INDIVIDUAL PRACTICE TIME AT HOME.**

**Mus. 2010** (H Period)

Chamber Choir, Honors

A two-semester course

Mus. 2010 requires departmental approval.

The Chamber Choir is an advanced performance ensemble that requires music literacy and vocal experience prior to audition. This elite ensemble performs a variety of traditional choral music. Its repertoire ranges from Medieval chants to contemporary jazz and provides a strong basis for education in standard performance practice. The class meets every day. Extra after-school rehearsals will be added for the week of a concert. Daily practice outside rehearsal is required. Attendance and participation in **ALL** rehearsals and performances are **MANDATORY**. The Chamber Choir performs 4 to 8 concerts a year. Grading is based on attendance, preparation, attitude, responsibility, and written and oral exams, quizzes, and homework.

**Mus. 2020** (H Period)

String Orchestra

A two-semester course

This course is open to students who took Music 2160 or 2260 (Strings) in the previous year, as it provides the practical application of the skills learned in class. It is also designed for incoming freshmen who have had little or no orchestral experience.

Mus. 2020 requires departmental approval.

This course is a training-centered ensemble with emphasis on ensemble playing, listening skills, and introduction to stylistic diversity. Grading is based primarily on participation, preparedness, responsibility, and respect. Daily at-home practice is absolutely required for this course. There are 3 concerts each year. The next step in the Orchestra sequence is Honors Orchestra (2030) and Music Lessons (2520).

**Mus. 2030** (H Period)

String Orchestra, Honors

A two-semester course

Mus. 2030 is for advanced students with experience in an orchestral environment.

This is an advanced course in orchestral string pedagogy. It will explore more substantial works from orchestral literature while maintaining the same stylistic diversity as Mus. 2020. Emphasis is on development of characteristic sound, stylistic interpretation, right hand execution, and mature points of ensemble playing. The ensemble presents at least two concerts a year. Students are required to register for music lessons, schedule permitting. Grades will be determined by fulfillment of potential, dedication, responsibility, and respect. Daily at-home practice is absolutely required for this course. As an honors course, the expectations of the students will be among the highest in the Music department.

**Mus. 2040** (H Period)

Percussion/Band Ensemble

A two-semester course

Co-requisite Mus. 2520

Mus. 2040 requires departmental approval.

The student will receive intensive instruction in orchestral percussion which includes snare drum, tenor drum, bass drum, cymbal, timpani, and all mallet instruments. Grading is based upon the student's progress, attendance, participation at all rehearsals and performances, homework, and quizzes, and mastery of the assigned repertoire.

**ATTENDANCE AT ALL REHEARSALS AND PERFORMANCES IS MANDATORY** AND COUNTS TOWARD THE GRADE. This group will meet during H period Tuesday and Thursday, and Mondays from

3:00 to 4:15 p.m. for the entire year. Students in this course MUST sign up for music lessons (2520) at the director's discretion. Ensemble members are required to perform with the concert band, junior band, and/or string orchestra for concerts.

### **Mus. 2050** (H Period)

#### Concert Band

A two-semester course

This course is open to all students who play a band instrument and will participate in the school band.

Mus. 2050 requires departmental approval.

This is a rehearsal course which covers the practicing of band material, sight reading, exercises, tuning procedures, and performance techniques. The grade will be determined by the student's ability to perform the band literature, improvement on the instrument, PARTICIPATION IN ALL BAND FUNCTIONS, homework, and quizzes. One-half hour of daily home practice is required. ALL BAND MEMBERS MUST TAKE THIS COURSE. Concert Band meets every day during period 8 in the auditorium.

**PLEASE NOTE:** Attendance at all rehearsals and performances is mandatory.

### **Mus. 2120**

#### Introduction to Music

A one-semester course

This course is standard for freshmen.

The course explores the musical elements of rhythm, harmony, melody, form, timbre, etc., and is designed to develop an intelligent perception, understanding and appreciation of music.

### **Mus. 2150**

#### Beginning Instrumental Music

A two-semester course

This course is open to freshmen in place of the introductory course.

Mus. 2150 requires departmental approval.

This course is an introduction to the playing of one of the following instruments: trumpet, French horn, trombone, baritone horn, tuba, clarinet, or flute. A minimum of one-half hour daily at-home practice is required. The next step in the Band sequence is Concert Band (2050) and Music Lessons (2520).

### **Mus. 2160**

#### Strings

A two-semester course

This course is open to freshmen in place of the introductory course.

Mus. 2160 requires departmental approval.

This course is designed to give students a foundation in the rudiments of playing one of the instruments of the orchestral string family (violin, viola, 'cello, bass). Aside from the mechanics of playing, students will learn the fundamentals of music, including notation and reading, introduction to sight-singing, and construction of scales. Daily at-home practice is absolutely required for this class. The next step in the Orchestra sequence is String Orchestra (2020) and Music Lessons (2520).

### **Mus. 2210**

#### Concert Chorus I

A two-semester course

This course is open to freshmen and sophomores.

Mus. 2210 requires departmental approval. A basic pitch matching audition is required prior to registration.

This is a performance course open to female students. Class meets 3 times a cycle during the school day. The course includes 2- and 3-part singing from all periods and styles, music literacy training, and ear training. It is designed to familiarize students with the fundamentals of vocal mechanism and healthy vocal use. The grade is determined by oral and written evaluations, homework, class work, rehearsals, and performances, ALL OF WHICH ARE MANDATORY.

### **Mus. 2230**

Woodwinds

A two-semester course

This course is open to sophomores.

Mus. 2230 requires departmental approval.

This course is an introduction to the playing of the flute or the clarinet. Minimum one-half hour of daily home practice is required. The grade will be determined by the student's progress on the instrument and participation. The next step in the Band sequence is Concert Band (2050) and Music Lessons (2520).

### **Mus. 2240**

Brass

A two-semester course

This course is open to sophomores.

Mus. 2240 requires departmental approval.

This course is an introduction to the playing of one of the following brass instruments: trumpet, French horn, mellophone, trombone, baritone horn, or tuba. Minimum one-half hour of daily home practice is required. The grade will be determined by the student's progress on the instrument and participation. The next step in the Band sequence is Concert Band (2050) and Music Lessons (2520).

### **Mus. 2250**

Percussion

A two-semester course

This course is open to sophomores.

Mus. 2250 requires departmental approval.

The objectives of the course are to teach the student to perform on various percussion instruments with competence and to give the student knowledge of the fundamentals of music. The course includes: basic techniques, rudimental drumming, orchestral percussion, trap techniques, multiple percussion, music reading and dictation. The grade will be based upon testing, quizzes, participation, and diligent practice at home. The course acts as a feeder program for the percussion ensemble Mus. 2040.

### **Mus. 2260**

Strings

A two-semester course

This course is open to sophomores.

Mus. 2260 requires departmental approval.

This course is designed to give students a foundation in the rudiments of playing one of the instruments in the orchestral string family (violin, viola, cello, bass). Aside from the mechanics of playing, students will learn the fundamentals of music, including notation and reading, introduction to sight-singing, and construction of scales. Daily at-home practice is absolutely required for this class. The next step in the Orchestra sequence is String Orchestra (2020) and Music Lessons (2520).

### **Mus. 2310**

Concert Chorus II

A two-semester course

This course is open to juniors and seniors. A basic pitch matching audition is required prior to registration.

Mus. 2310 requires departmental approval.

This is a performance course for female students. The class, which meets 2 times a cycle during the school day, includes 2- and 3-part singing, music literacy training, and ear training. It is designed to familiarize students with the fundamentals of vocal mechanism and healthy vocal use. The grade is determined by oral and written evaluations, homework, class work, rehearsals, and performances, ALL OF WHICH ARE MANDATORY.

### **Mus. 2410**

History of Music

A two-semester course

This course is open to juniors and seniors.

Mus. 2410 requires departmental approval.

This course will be a comprehensive survey of the major periods and figures in music history. Class activities include listening to representative works, undertaking score analysis, and submitting group projects. Grading will be based on test and quiz scores, class participation, and homework. A Regents examination will be given at the end of the year.

**PLEASE NOTE:** Seniors pursuing a 3- or 5-unit sequence in Music may use Music 2410 to satisfy the fourth unit in Social Studies. Please see the chairperson for details.

### **Mus. 2480**

Music Theory I

A one-semester course in the Fall

This course is open to juniors and seniors.

Mus. 2480 requires departmental approval.

This is a music knowledge course designed to introduce students to the rudiments of musicianship (articulation of rhythms, audiation, and performance of melodies and harmonies) and elemental concepts of music theory (tonality, key signatures, chords, intervals, etc.). Students will develop a vocabulary that will equip them to communicate in the language of musical notation in order to prepare them for more advanced study in music theory both in high school and in college. Grading will be based on daily assignments, tests, and projects.

### **Mus. 2490**

Principles of Orchestration and Electronic Composition

A one-semester course in the Spring

This course is open to juniors and seniors.

Mus. 2490 requires departmental approval.

This course will continue to build upon the material learned in Music Theory I. Additionally, the course will deal with the basics of traditional elementary orchestration. Students will learn how to record their compositions electronically via the medium of digital sequencing. Finally, the course will focus on computer software packages to teach notation and orchestration.

**PLEASE NOTE:** Music 2490 may be used to satisfy the school Computer Science requirement. It may not be used to satisfy a Science requirement.

Students should not take Music 2490 in place of Mus. 2410 or 2510. It should be taken in addition to those courses.

### **Mus. 2516**

Advanced Placement Music Theory

A two-semester course

This course is open to juniors and seniors.

Prerequisite for Mus.2516 is Mus.2480 or departmental approval.

This is a Regents honors course in harmonic and compositional techniques. This course includes the intensive study of clefs, intervals, scales, chords, musical analysis, two- and four-part writing and dictation, cadences, and modulation. It also includes an introduction to the various compositional techniques and to the solfege concept. Grading is based on daily assignments, tests, projects, and compositions. A Regents examination will be given at the end of the year. The Advanced Placement examination is optional.

### **Mus. 2520**

Music Lessons

A two-semester course

Mus. 2520 requires departmental approval.

This course is open to all instrumental students who participate in one of the school's performing groups. Scheduling will be based on availability of instructors during one of the student's free periods.

### **Mus. 2530**

Prep Chorus, Honors

A two-semester course

This course is open to students on all grade levels.

Mus. 2530 requires an audition and departmental approval.

Prep Chorus is an educational performance course designed to give students a basic understanding of vocal mechanism, music literacy, audiation skills, and standard choral repertoire. Grading is based on attendance, preparation, attitude, responsibility, and written and oral exams, quizzes, and homework. Daily practice outside of rehearsal is also expected. The Prep Chorus performs at least 2 concerts a year. Attendance and participation in **ALL** rehearsals and performances are **MANDATORY**.

The rehearsal schedule is as follows:

|               |           |                   |
|---------------|-----------|-------------------|
| Female A      | Monday    | 3:00 to 4:00 p.m. |
| Female B      | Tuesday   | 3:00 to 4:00 p.m. |
| Male          | Wednesday | 3:00 to 4:00 p.m. |
| Full Ensemble | Thursday  | 3:00 to 4:30 p.m. |

\* Extra rehearsals will be added for the week of a concert.

### **Mus. 2540** (H Period)

Percussion Ensemble Honors

A two-semester course

This course is open to students on all grade levels.

Mus. 2540 requires an audition and departmental approval.

This course is an advanced version of Music 2040, Percussion Ensemble. Please meet with the instructor for more information and to audition.

**ATTENDANCE AT ALL REHEARSALS AND PERFORMANCES IS MANDATORY AND COUNTS TOWARD THE GRADE.** This group will meet during H period Monday, Wednesday, and Friday, and Thursdays from 3:00 to 5:00 p.m. for the entire year. Students in this course **MUST** sign up for music lessons (2520) at the director's discretion. Ensemble members are required to perform with the concert band, junior band, and string orchestra for concerts.

### **Mus. 2550**

Chamber Orchestra, Honors

A two-semester course

Mus. 2550 is an honors course open only by vacancy and audition.

Chamber Orchestra is for exceptionally advanced students with significant experience in an orchestral environment. The Chamber Orchestra performs up to 20 times a year and both school and outside events. The course begins the last two full weeks of August and rehearses both during H period and on Friday afternoons at 3:00 p.m. during the school year. The highest level of professionalism and musicianship is required at all times, especially given the very public nature of this ensemble. Students should also register for Mus. 2520 (Lessons), schedule permitting.

### **Mus. 2610**

Music Technology, Recording Techniques/Production, Introduction to ProTools

A one-semester course

This course is open to Juniors and Seniors who have fulfilled the prerequisite courses 2480 and 2490 (Music Theory, Electronic Orchestration) or who can demonstrate their abilities at a teacher student interview.

This course will teach the fundamentals of music technology through the study of contemporary digital recording techniques and computer based music production (ProTools, Logic Software). Students will learn about basic acoustics, music production practices in a recording studio setting, music history as a recorded form, and 21st century digital music technologies. Students will learn about the physics of sound, basic acoustics, waveforms, hardware and software studio components, contemporary commercial production techniques, a brief history of recorded music, and ProTools DAW(digital audio workflow). Grades will be based on project completion, both in the classroom and as homework.

This class will meet Mondays and Thursdays during X period from 3:00-5:00 p.m

### **Mus. 2630**

Stage Band, Honors (Jazz Ensemble)

A two-semester course

Co-requisite Mus. 2050

This course is open to members of the school band who have passed an audition, consisting of 10 major scales, a prepared piece, and a sight-reading selection.

Mus. 2630 requires departmental approval.

This is an advanced performance course for experienced musicians. The course consists of intensive rehearsals and performances in the jazz and fusion idioms. Grading is based upon improvement on the instrument, preparation of the assigned music, attendance at all rehearsals and performances, homework, and quizzes. THE REHEARSAL SCHEDULE IS AS FOLLOWS:

MONDAYS: Saxophone and Rhythm Sectional – 3:00 to 3:35 p.m.

TUESDAYS: Full Ensemble – 3:00 to 4:30 p.m.

WEDNESDAYS: Trombones – 3:00 to 3:35 p.m.

THURSDAYS: Trumpets – 3:00 to 3:35 p.m.

FRIDAYS: Full Ensemble – 3:00 to 4:30 p.m.

# RELIGION

The religion program is designed to provide the opportunity for students to grow in faith and to acquire knowledge of God, themselves, and others. In order to achieve this end, the Religious Education Department has established a developmental program. Areas of curriculum include the Church, Scripture, morality, ministry, personal faith, and self-awareness. The first two years of study are the foundation upon which the elective program is built.

## **Rel. 9120**

Religion 9

A two-semester course

This course is required of all freshmen.

The freshman religious education program focuses on the centrality of self-knowledge and Scripture in attaining an understanding of God. Because ninth grade students are seeking to understand themselves and because God speaks to them through their own self-understanding, we hope throughout the year to provide an opportunity for the students to come into contact with who they are in relationship to themselves, others, and God. This course will provide students with a basic survey of doctrinal beliefs, communal worship, and moral principles of Roman Catholicism.

## **Rel. 9220**

Religion 10

A two-semester course

This course is required of all sophomores.

The sophomore religious education program is concerned with how we, as persons, relate to others. As Catholic Christians, we will look to the person of Jesus as the model for relating to others and to God. By studying the New Testament, sophomores will examine how Jesus calls all people to wholeness, to community, and to Christian values in the creation of the Kingdom of God, here and now.

## **Rel. 9380**

Christian Service

A two-semester course

This course is open to juniors.

Students must achieve a grade of 90% or better in Religion 10 to be eligible for Christian Service.

This course will provide students with the experience of service at various agencies within the community. The aim of the course is to concretize the concept of service to others as highlighted in the U.S. Bishops' Pastoral "To Teach as Jesus Did." Students will receive guidance from and meet with the agency supervisor and with the teacher once a cycle for discussion of the service being given. The course combines classroom input and outside work in the community which may be done after school or on weekends. In addition, students must complete reflection papers regarding their particular service and are expected to keep a weekly journal.

## **Rel. 9410**

Morality

A one-semester course

This course is open to juniors and seniors.

This is a course which examines some of the moral decisions with which we are faced in today's world. It discusses the relationship between what we value and how we act. It studies different approaches to morality and especially Christian moral attitudes. Moral theory is applied to particular moral issues, such as: euthanasia, drug abuse, abortion, and social justice.

### **Rel. 9420**

#### Philosophy of Life

A one-semester course

This course is open to juniors and seniors.

"Philosophy of Life" is concerned with the way people develop and utilize a personal world view. We will examine such questions as: What is truth? What is reality? What does it mean to be human? and What does it mean to live a life of value? As this is a Christian school, we will reflect on the way humans think, perceive, and act in the light of the way Jesus lived and taught. The aim is to expose students to the art of critical thinking and to engage them in learning as active, creative human beings. The assignments are designed to appeal to a number of different learning styles and intelligences.

### **Rel. 9430**

#### Body, Mind, and Spirit

A one-semester course

This course is open to juniors and seniors.

For too long, people have been raised with the notion that individuals were made up of separate components (a body, a mind, a spirit) that acted independently of each other. Following such an approach to life can result in a fragmented existence. The "great ones" throughout history – whether inspirational leaders, artists, musicians, or athletes – were the ones who managed to integrate all three components in their lives, thus recapturing the unified view of the person as found in the Bible. The purpose of this course is to seek a holistic outlook, to erase the boundaries that have prevented a fuller appreciation of all that life has to offer and, ultimately, to see wholeness as a path to holiness: life as it is meant to be.

### **REL.9450**

#### Sacred Arts and Christianity

A one-semester course

This course is open to junior and senior students.

Sacred Arts is a unique course of study that will focus on the spiritual traditions of Christianity and how they inspired the creativity of various artists throughout history. We will examine the history of the relationship between religious thought and the Arts. The class will combine an historical appreciation for the development of Christianity as it was reflected in Art, Architecture and Music. The course will combine both written and artistic projects as well as musical performance to reflect our understanding of humankind's on-going and continual search for the presence of God through the Arts.

### **Rel. 9470**

#### Social Justice

A one-semester course

This course is open to juniors and seniors. Space is limited.

The course will explore some of the social imbalances in our world. This will be accomplished through an examination of various social injustices, such as world poverty and hunger, militarism, the destruction of our environment, and the struggle for justice throughout the world. The life and message of Jesus will be examined as a counter-cultural figure.

### **Rel. 9510**

#### Francis: The Way of the Peaceful Warrior

A one-semester course

This course is open to juniors and seniors.

Francis of Assisi is an extraordinary individual who emerges at a critical historical moment. By simply living his life as best he understood it, Francis managed to exert an amazing influence on those he came in contact with, elevating them to a deeper realization of what we are all called to be. Using the life of Francis as our starting point, we will explore a Gospel approach to living and how this approach relates to our world. We will also examine the role spirituality plays in our daily experiences.

**Rel. 9530**

Jesus and Film

A one-semester course

This course is open to juniors and seniors. Space in this class is limited.

This course seeks to explore how Scripture has been employed in the service of film. We will examine images of Jesus from the perspectives of the Gospel and compare and contrast those images with those of Jesus as portrayed in various films. Students will explore the values and spirituality that are generated through television and the film industry.

**Rel. 9560**

Healing and Making Peace

A one-semester course

This course is open to juniors and seniors.

Grounded in an appreciation of loss and healing, we will examine the factors that promote healthy life choices and those that hinder them. We will surface some of the obstacles that stand in the way of making peace with our families, our failures, broken relationships, and losses. Ultimately, we will seek to grasp the freedom found in Jesus' command to "take up your mat and walk!"

**Rel. 9570**

Issues in Scripture

A one-semester course

This course is open to juniors and seniors.

To appreciate the challenge of faith is to see its role in all that we are: in our beliefs, our relationships, and our outlook on the world and events around us. Students will probe the more puzzling aspects of biblical faith and its relevance today. Discussions will address the following issues: Abraham, a model relationship; Miracles, Hype or Challenge; Apocalypse, timetable of events or foreshadowing for everyone's life.

**Rel. 9580**

Prayer and Mysticism

A one-semester course

This course is open to juniors and seniors.

Rel. 9580 requires departmental approval. Space in this class is limited.

The goal of this course is to offer students an opportunity to grow in their spirituality by experiencing different methods of prayer. Meditation, centering prayer, Scripture prayer, liturgy, and prayer that makes use of nature, imagination, music, dance, mysticism, and art are among the various methods of communicating with God that will be explored. Students will also be led to consider how God works through the exploration of their personalities, life experiences, and communities. Any student who takes this class will be asked to participate in all prayer activities, contribute to class discussions, and submit written reflections on their growing spirituality.

**Rel. 9590**

Religions of the World

A one-semester Course

This course is open to juniors and seniors.

Throughout human history, religion has been a source of both peace and conflict for humanity. The purpose of this course is to provide an opportunity for students to explore respectfully and critically the tenets, practices, and spirituality of the religions of the world. Topics will range from ancient, primitive religions to the major religions that are practiced today. Students will discover that by approaching diverse religious beliefs with intelligence and openness religion can be a source of healing and unity rather than of strife and division.

**PLEASE NOTE:** Students taking this course for college credit must submit a research paper.

**Rel. 9660**

Human Sexuality and Love

A one-semester course

This course is open to seniors.

This course helps students understand God's gift to them: their sexuality. We will take a holistic approach to the study of the biological, relational, and moral components of this rich aspect of our humanity. The goal is for students to grow in self-awareness and confidence and expand their ability to make healthy, mature sexual decisions.

# SCIENCE

The Science Department offers a comprehensive, in-depth program of study in the physical, life, and environmental sciences. The Science Department offers all four New York State Regents courses: Earth Science, Chemistry, Physics (Physical Setting) and Biology (the Living Environment). We also offer four Advanced Placement courses: Physics AB, Chemistry, Biology, and Environmental Science. Students may participate in authentic Science Research, a 3-year sequence of courses that emphasizes the research process and presentation of a final research report.

**PLEASE NOTE:** All students **must** take **three** years of Science and must pass at least **one** Science Regents exam in order to graduate. Students may use up to one (1) credit of Computer Science to fulfill the requirement of three (3) units of Science.

## **Sci. 1040** (H period)

Biotechnology

A one semester course

This course is open to all seniors who have completed Biology, Honors Biology, or AP Biology.

Sci. 1040 requires departmental approval.

Biotechnology is a laboratory skills course with real world applications. This course will expose students to cutting-edge technology and prepare them for a future in the rapidly emerging biotechnology and green engineering fields. With emphasis on preparing students for jobs of the future, this course will focus on the following areas: developing key skills with lab activities; encouraging students to consider the broader implications of biotechnology with bioethics case studies; broadening occupational awareness with profiles of careers in biotech; stimulating interest by connecting the skills students are developing with applications in the real world of biotechnology; doing Independent research

## **Sci. 1070** (H Period)

Science Research

A two-semester course

This course is open to sophomores.

Sci. 1070 requires departmental approval.

Students in this class will meet every day before school and during a free period once every other cycle with a teacher who will supervise their research. Students will start their own independent research problem in the biological, physical, social, or behavioral sciences, or in engineering or mathematics. The process involves background research using the library and Internet resources; students will design experimental procedures with the help of a professional scientist as mentor. Students will complete experiments, write a formal research paper, and present results. Students will not be given projects on which to work but must be prepared to study an individual topic of their choice.

## **Sci. 1100**

Advanced Physical Science, Honors

A two-semester course

This course is open to freshmen.

Sci. 1100 require departmental approval.

The course is similar in content to Sci. 1110 but is conducted on a more intensive and accelerated basis for students with particular interest and ability in science.

## **Sci. 1110**

Advanced Physical Science

A two-semester course

This course is open to freshmen.

This course will emphasize critical thinking skills so that students may become proficient and creative in their inquiry of science. Beginning with an introduction to the scientific method and inquiry, the course then applies

these skills to aspects of chemistry and physics. These disciplines will be covered at a basic level so as to engage the students and lay the foundations for future study in these disciplines.

### **Sci. 1200**

Biology, Honors: the Living Environment

A two-semester course

This course is open to sophomores who have completed Advanced Physical Science.

Sci. 1200 requires departmental approval.

The course is a Regents course similar in content to Sci. 1220 but is conducted on a more intensive basis for students with particular interest and ability in the life sciences.

### **Sci. 1216**

Advanced Placement Biology

A two-semester course

This course is open to **sophomores**.

Sci.1216 requires departmental approval.

This course introduces advanced material in the biological sciences and laboratory methods which are intended to provide students with an intensive course in college-level biology. Students will take the Advanced Placement Biology exam in May. Students will also take the New York State Regents exam in June will take the exam.

### **Sci. 1220**

Biology: the Living Environment

A two-semester course

This course is open to sophomores.

This is a Regents course presenting a modern view of current biological theories and their relationship to experimental information. Areas of study include modern cell theory, evolution, bio-chemistry, physiology, anatomy, and current developments in the life sciences, especially in the fields of ecology and environmental science. Laboratory work is an integral part of the course which fosters student inquiry and acquisition of essential skills and techniques. All students take the Regents exam in June.

### **Sci. 1300**

Chemistry, Honors: the Physical Setting

A two-semester course

This course is open to juniors and seniors.

Sci. 1300 requires departmental approval.

The course is a Regents course similar in content to Sci. 1320 but will be conducted on a more intensive basis for students with higher interest and performance in the sciences and mathematics.

### **Sci. 1320**

Chemistry: the Physical Setting

A two-semester course.

This course is open to juniors and seniors.

This Regents course presents a modern view of chemical theory and experimental practice. An integral part of the course will be the application of chemical concepts, calculations, and the observation, recording, and presentation of experimental information gathered through laboratory experiences. The relation of chemical theory to laboratory findings is emphasized. Laboratory work is designed to encourage students to perceive scientific relationships through personal experience and to acquire essential skills and techniques.

### **Sci. 1400**

Physics, Honors: the Physical Setting

A two-semester course

This course is open to seniors and to juniors who are enrolled in their third year of mathematics.

Sci. 1400 requires departmental approval.

This course is more comprehensive than Sci. 1410 in its presentation of the fundamental concepts of classical and modern physics. The course includes more advanced applications of physics principles and additional practice in problem solving and mathematical methods. The mandatory laboratory work involves more extensive analysis of data and results and reasoning in drawing conclusions. This course is intended to prepare students to succeed in a rigorous college physics course. It provides essential practice in the use of the scientific method in problem solving, advancement of techniques in laboratory work, and development of critical thinking skills. In addition to the basic physics curriculum, the course includes the following topics: high and low temperature physics; geometric optics, lenses, and optical instruments; electromagnetism; and radioactivity and nuclear energy. Please be advised that success in this course is dependent upon on mastery of concepts in the Physics component of Advanced Physical Science and Algebra 2.

\* It is not advisable for students who struggled in Algebra 2 and Advanced Physical Science to register for Physics.

### **Sci. 1410**

Physics: the Physical Setting

A two-semester course

This course is open to seniors and juniors who are enrolled in their third year of mathematics.

This course is a basic Physics course that presents the fundamental concepts of classical and modern physics for high school students. This work includes extensive practice in appropriate mathematical methods and mandatory laboratory work that is integral to the course of study. The course provides practice in the use of the scientific method that is needed to succeed in a first-year college science course. Outcomes will include advancement in techniques of problem solving and laboratory work and development of critical thinking skills. The major units of study are mechanics, energy, waves and sound, light and optics, electricity and magnetism, and modern physics. Please be advised that success in this course is dependent upon on mastery of concepts in the Physics component of Advanced Physical Science and Algebra 2.

\* It is not advisable for students who struggled in Algebra 2 and Advanced Physical Science to register for Physics.

### **Sci. 1430**

Marine Biology

A one-semester course

This course is open to seniors who have taken Biology.

This course is designed for students with an interest in developing a basic understanding of the marine environment. Major areas of study will include a general overview of marine sciences, the taxonomy of marine organisms, the structure of marine ecosystems, and an in-depth look at the relationship between humans and the sea. A research paper and presentation will be required by the end of each quarter.

### **Sci. 1440**

Geology: The Dynamic Earth

A two-semester course

This course is open to Juniors and Seniors

This non-Regents course is designed to describe the origin and evolution of the elements, Earth, continents, oceans, and atmosphere. We will discuss the relationship of various Earth components: rocks, minerals, ores, fossil fuels, and gemstones. Another field of interest will be the effects of surface processes (rivers, deserts, glaciations, soils) in the context of contemporary problems that students may face, including water supply, hurricanes, world climate, and geologic hazards of volcanism and earthquakes. Field work and laboratory work will be an integral part of this course in allowing students to understand the forces at work on their planet.

### **Sci. 1450**

Human Anatomy and Physiology

A one-semester course

This course is open to juniors and seniors who have taken biology and chemistry.

Sci. 1450 requires departmental approval.

The course is a systematic approach to the human body, anatomically and physiologically. This course will provide the student with the background for future courses in the allied health fields. Laboratory work is an integral part of the course. Students pursuing a career in nursing, medical technology and nutrition are candidates for this course.

**PLEASE NOTE:** Students taking Sci. 1450 are strongly urged to take Sci. 1420 as well.

### **Sci. 1470**

Forensic Science

A one-semester course

This course is open to seniors only.

Sci. 1470 requires departmental approval.

This course is a survey course exploring the ever-evolving scientific techniques used in forensics. Forensic Science is a multidisciplinary course centered in the scientific method. Coursework will be developed around a set of process-oriented, student-centered investigations in the lab. In order to be accepted into the course, an application must be submitted; science, math, social studies, and English grades must be 85% or higher.

**PLEASE NOTE:** Pre-requisite: Chemistry

### **Sci. 1480**

Practical and Theoretical Astronomy

A one-semester course

This course is open to juniors and seniors.

Sci. 1480 requires departmental approval.

The course is for students interested in studying theoretical, practical, and observational aspects of astronomy. The course will utilize a wide variety of instructional approaches, including audio-visuials, lab activities, and lectures, which will provide the students with a basic knowledge of astronomy. The most important component of this course is the use of the Internet for observing solar system phenomena and stellar and galactic life cycles as seen through telescopic and space probe observations. Students will keep a daily diary based on information supplied through the Astronomy Picture of the Day (APOD) and classroom simulations using state-of-the-art software.

### **Sci. 1490**

Science Research

A two-semester course

This course is open to juniors and seniors.

Sci. 1490 requires departmental approval.

Please see Sci. 1070 for description and requirements. This section will meet **after school**.

### **Sci. 1536**

Advanced Placement Environmental Science

A two-semester course

This course is open to juniors and seniors.

Sci. 1536 requires departmental approval.

This course will deal with the principles of ecology and their relationship to environmental problems facing the world today. Within the framework of ecological principles, the course will cover energy and material cycles in nature, natural resources abundance and exploitation, population dynamics, and evolution. The impact of humans on the environment will be the major focus of the course. This course will have a double laboratory

component and will have some fieldwork involving the ocean, lakes, rivers, and various terrestrial investigations. All students must take the Advanced Placement exam in May.

### **Sci. 1556**

Advanced Placement Biology

A two-semester course

This course is open to juniors and seniors who have taken biology and chemistry.

Sci. 1556 requires departmental approval.

Advanced Placement Biology is a second course in biological sciences designed to give the student a comprehensive and in-depth investigation into the phylogenetic survey of basic physiological functions, modern molecular genetics, developmental biology, and the biochemistry of living systems. Laboratory work is integral to this study. A research paper, or project is required. All students must take the Advanced Placement exam in May.

### **Sci. 1576**

Advanced Placement Chemistry

A two-semester course

This course is open to juniors who have taken A.P. Biology and juniors and seniors who have completed one year of Chemistry.

Sci. 1576 requires departmental approval.

This course is designed for students who have shown previous, superior performance and demonstrate a high interest in chemistry. The major areas covered are: periodic table and atomic structure, kinetics and thermodynamics, physical characteristics of states of matter, and a detailed study of a representative group of elements. Laboratory work emphasizing the techniques of a chemist is integral to the course of study. All students must take the Advanced Placement exam in May.

### **Sci. 1596**

Advanced Placement Physics

A two-semester course

This course is open to seniors who have completed one year of physics; other students must see the Science department chairperson.

Sci. 1596 requires departmental approval.

This course is designed for students with a high-level of interest and achievement in the physical sciences, as well as for those who wish to pursue engineering in college. Major areas of study will include mechanics, electricity, and magnetism. All students must take the Advanced Placement exam in May.

# SOCIAL STUDIES

Perhaps the central fact of our age is that, for the first time in history, we live in an inter-related, multicultural world. The Social Studies program is designed to foster and develop global awareness – to see the differences in peoples and learn to appreciate them. It is geared to help us recognize that to be different, or to do things differently, is not to be wrong. It helps us to understand the way others think, behave, and make decisions. The program instills in the students a desire to meet the challenges of a fast-changing world scene, of moving toward a global community in which peace, social justice, and quality of life play a major role.

## **Soc. Stu. 8020** (H Period)

Global History II

Soc. Stu. 80200 requires pre-registration.

See Soc. Stu. 8220 for details.

## **Soc. Stu. 8040** (H Period)

United States History and Government

Soc. Stu. 8040 requires pre-registration.

See Soc. Stu. 8320 for details.

## **Soc. Stu. 8076** (H Period)

Advanced Placement Psychology

A two-semester course

This course is open to seniors only.

Soc. Stu. 8076 requires departmental approval.

This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the facts, principles, and phenomena of the major subfields in psychology. They will also learn about the methods psychologists use in their science and practices. Students will qualify for college credit upon taking the recommended Advanced Placement Psychology exam. If you take Soc. Stu. 8076, you may **not** take Soc. Stu. 8550.

## **Global History I and II**

The emphasis of this two-year program is to help students gain a global view of humankind's development from earliest civilizations to the present. A comprehensive final exam is required at the end of Global History I; a Regents Examination is required at the completion of Global History II.

## **Soc. Stu. 8100**

Global History I, Honors

A two-semester course

This course is open to freshmen.

Soc. Stu. 8100 requires departmental approval.

The course content is similar to that of Soc. Stu. 8120 but a more in-depth approach is required through written and oral assignments which include knowledge of current events, outside readings and research, book reports, analytical essays, oral presentations, and projects.

## **Soc. Stu. 8120**

Global History I

A two-semester course

This course is the standard course for freshmen.

The emphasis of this course is to gain a global view of humankind's development from the earliest civilizations of Egypt, Mesopotamia, China, and India to the beginning of Modern European history (circa 10,000 B.C. - 1700 A.D.).

### **Soc. Stu 8136**

Advanced Placement World History

A two-semester course

This course is open to freshmen.

Soc. Stu. 8116 requires departmental approval.

This course emphasizes the nature of change in international frameworks, their causes and consequences, and comparisons among societies. It focuses on relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. A.P. World History is a two-year course. Students who take the course in freshman year must continue and complete the course in sophomore year. Students will take the A.P. exam in May of the second year.

### **Soc. Stu 8200**

Global History II, Honors

A two-semester course

This course is open to sophomores.

Soc. Stu. 8200 requires departmental approval.

This Regents course reviews many of the topics from Soc. Stu. 8120 and covers topics similar to those in Soc. Stu. 8220. A more in-depth approach is required through written and oral assignments which include outside readings and research, book reports, analytical essays, oral presentations, and projects. Current events are also an integral part of the course. Selection for this course is based on the results of a Social Studies skills exam, performance in Global History I, and teacher recommendation.

### **Soc. Stu 8220**

Global History II

A two-semester course

This course is the standard course for sophomores.

The emphasis of this Regents course is the study of the development of the modern world from the Enlightenment to the present. Concepts such as revolution, imperialism, nationalism, socialism, communism, and war in the Western and non-Western world will be investigated.

### **Soc. Stu. 8236**

Advanced Placement World History II

A two-semester course

Soc. Stu. 8236 requires departmental approval.

This course is the second part of the A.P. World History curriculum. Students who took A.P. World History I must take this course; no other students may take it. This course continues the A.P. curriculum up to the present day. Students will take the A.P. exam in May of the second year.

**PLEASE NOTE:** All Juniors **must** take either Soc. Stu. 8306 or 8320.

### **Soc. Stu. 8306**

Advanced Placement American History

A two-semester course

This course is open to juniors.

Soc. Stu. 8306 requires departmental approval.

A.P. American History will provide students with the analytical skills and factual knowledge necessary to deal with problems and materials in American history. The course should equip students to deal with intermediate and advanced college courses. Students will learn to assess historical materials, their relevance to an interpretive problem, and their reliability. Students will analyze and interpret primary sources, including documentary materials, maps, statistical tables, cartoons, and graphic evidence. Students must be willing and able to work independently to study for exams and to research and write theme essays. Students will qualify for college credit upon taking the recommended Advanced Placement American History examination.

### **Soc. Stu. 8320**

United States History and Government

A two-semester course

This course is the standard course for juniors.

The course is designed to enable students to explore the past history of the United States from the founding of the Republic to the present. It will focus attention on significant political, economic, and social developments from both a chronological and conceptual approach. The role of the United States as a nation in a world community will be presented through our domestic and foreign policies. Stress will be placed upon the critical analysis of these events.

### **PLEASE NOTE: Students must take four units of Social Studies.**

IN COURSES OPEN TO JUNIORS AND SENIORS, THE REGISTRATION NEEDS OF SENIORS ARE GIVEN PRIORITY.

### **Soc. Stu. 8420**

American Law and Justice

A two-semester course

This course is open to juniors and seniors.

This course is designed to provide students with an understanding of the fundamental principles and values underlying our Constitution, laws, and legal system. The first semester includes the study of law and the criminal justice system. The focus is on the offender, victim, police, courts, and prisons. The second semester examines a range of legal issues that touch our daily lives -- personal injuries and damages, contracts, marriage, divorce, consumer protection, wills, inheritances, and individual rights and liberties. Mock trials and field trips will be included.

**PLEASE NOTE:** If you take Soc. Stu. 8420, you may **not** take Soc. Stu. 8460 (Criminal Justice).

### **Soc. Stu. 8430**

Introduction to Sociology

A one-semester course

This course is open to juniors and seniors.

Sociology is the study of human relationships in the context of the world we live in. The course focuses on the major issues that affect all of us in the world today. The course will explore the similarities and differences of different cultures both in the US and abroad. We will study how our world has socialized us and continues to develop us as individuals and in a society. We will develop an understanding of what deviant behavior is and why people commit such acts. We will also examine the differences in money and social class that exist today in the US. Finally, we will explore the concept of aging and death. Students will be required to purchase a short novel for this purpose.

### **Soc. Stu. 8440**

Introduction to Economics

A one-semester course

This course is open to juniors and seniors.

This course is an introduction to economic concepts, theories, and practices. Topics include comparative economic systems, price and wage determination, business organization, labor organization, economic performance, income distribution, business cycles, money, banking, Federal Reserve policy, public finance, and international trade and finance.

### **Soc. St. 8450**

Forensic Criminology

A one-semester course

This course is open to juniors and seniors.

This course will be instructed as a study of forensics and criminal investigations under the social studies umbrella. Students will use textbooks to learn of the different types of evidence left at a crime scene, how to collect and secure that evidence, and the potential results of laboratory examination of that evidence for the purpose of arresting a suspect and court prosecution.

**PLEASE NOTE:** Some of the images viewed in this course may be disturbing. A small materials fee may be required.

### **Soc. Stu 8460**

Criminal Justice

A one-semester course

This course is open to juniors and seniors.

The course is designed to demonstrate the nature of criminal law and the criminal justice process, from arrest through trial. It will offer a comprehensive examination of our criminal justice system, including the police, the courts, and prisons. Topics include the following: crime and the criminal, criminal defenses, rights of the victim and the accused, search and seizure, plea bargaining, and sentencing. There will also be a heavy concentration on current and ongoing court cases in the news. Students may be required to purchase a paperback novel.

**NOTE:** If you take Soc. Stu. 8460, you may **not** take Soc. Stu. 8420 (American Law and Justice).

### **Soc. Stu. 8470**

Contemporary World Issues

A one-semester course

This course is open to juniors and seniors.

This course is designed to examine opposing sides of critical issues in today's increasingly global society. Students will examine these issues in America, investigate global issues and their importance to America, and take sides to learn the decision-making processes of world leaders. Topics include the role of the United States in regional and international tensions, human rights issues, environmental concerns, economic trade issues, globalization, and international organizations. Current events will be a major component of the course.

### **Soc. Stu. 8480**

History of World War II

A one-semester course

This course is open to seniors.

There is perhaps no other armed conflict in world history that has had the same impact upon humanity as the Second World War. This course will study the many causes of the war, the time period of the war itself (1939-1945), and the effects -- both long-term and immediate -- the war would make upon society. The course is geared toward those students who, after having studied the war earlier in high school, are interested in learning more about it.

### **Soc Stu. 8490**

History of New York City

A one-semester course

This course is open to seniors.

The purpose of this course is for students to explore the political, social, and economic issues and events surrounding the history of our great city. Topics will include Dutch settlement, British takeover, American Revolution, the industrial metropolis, Central Park, the Civil War, Age of Bosses, and the Brooklyn Bridge. We will also study immigration, skyscrapers, the Depression and New Deal, World War II, the United Nations, Wall Street, and the aftermath of September 11, 2001. Tours and trips to the city will be a requirement.

### **Soc. Stu.8516**

A.P. European History

A two-semester course

This course is open to seniors.

Soc. Stu. 8516 requires departmental approval

Students in this course will evaluate, describe, and analyze themes of modern European history, from the Renaissance to the present. This class requires an extensive amount of outside reading and in class discussion. Students will also read primary source material and write critical essays.

All students will take the A.P. European History exam in May.

### **Soc. Stu. 8550**

Introduction to Psychology

A one-semester course

This course is open to seniors.

Soc. Stu. 8550 requires departmental pre-registration.

As an introduction to the science of behavior, this course will cover the major areas of psychological research. Through a balanced presentation of differing theoretical perspectives, an understanding of the basic facts, principles, and methods of psychology will be sought. Topics include: developmental theories, personality, learning, consciousness, and abnormal psychology.

### **Soc. Stu. 8586**

Advanced Placement United States Government and Politics

A two-semester course

This course is open to seniors only.

Soc. Stu. 8586 requires departmental approval.

This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. Topics will include political beliefs and behaviors, institutions of national government, public policy, civil rights and civil liberties, and political parties, interests groups, and mass media.

|                      |                |                            |                |                 |                |                            |                |   |
|----------------------|----------------|----------------------------|----------------|-----------------|----------------|----------------------------|----------------|---|
| <b>Student Name:</b> |                | <b>COR:</b>                |                |                 |                | <b>Date:</b>               |                |   |
| <b>Career/Major:</b> |                | <b>College/University:</b> |                |                 |                | <b>Guidance Counselor:</b> |                |   |
| <b>Freshman</b>      | <b>credits</b> | <b>Sophomore</b>           | <b>credits</b> | <b>Junior</b>   | <b>credits</b> | <b>Senior</b>              | <b>credits</b> | <b>Regents Exam / Graduation Requirements / Comment</b>     |
| <b>*7:50am</b>       |                | <b>*7:50am</b>             |                | <b>*7:50am</b>  |                | <b>*7:50am</b>             |                | <b>*7:50 am class, if applicable</b>                        |
| English              |                | English                    |                | English         |                | English                    |                |   |
| Social Studies       |                | Social Studies             |                | Social Studies  |                | Social Studies             |                | Global II:            U.S.History:                          |
| Religion             |                | Religion                   |                | Religion        |                | Religion                   |                |   |
| Phys. Ed             |                | Phys. Ed                   |                | Phys. Ed        |                | Phys. Ed                   |                |   |
| Math                 |                | Math                       |                | Math            |                |                            |                | Alg I:    Geometry:    Alg. 2                               |
| Foreign Lang.        |                | Foreign Lang.              |                |                 |                |                            |                | Foreign Language:   |
| Science              |                | Science                    |                | *Science        |                |                            |                | Earth:    Biology:    Chemisty:    Physics:                 |
| Music/Art            |                | Music/Art                  |                |                 |                |                            |                | Art:                    Music:                              |
| Extra/Alternate      |                | Extra/Alternate            |                | Extra/Alternate |                | Extra/Alternate            |                |   |
|                      |                |                            |                |                 |                |                            |                | *if applicable:    AP Exams                    SAT II Exams |
| Summer School        |                | Summer School              |                | Summer School   |                | Summer School              |                | *summer school class, if applicable                         |
| Total Credits        | 6.5            | Total Credits              | 6.5            | Total Credits   | 6              | Total Credits              | 6              |   |
| G.P.A.               |                | G.P.A.                     |                | G.P.A.          |                | G.P.A.                     |                |   |

**IMPORTANT REMINDERS:**  
1.If you are a transfer student please see your Guidance Counselor for course advisement. 2. 7:50am (H Period) / Extra credits must be approved and submitted on a separate form. 3.The third credit for \*Science may be fulfilled with *computer science courses* (see item 4 for course options). 4. Computer Science Requirement (junior / senior year) can be fulfilled with specific courses from either *Art, Business, Computer, or Music Department* computer classes. 5. Health and Computer Science must be taken in Junior or Senior Year. 6. All students are encouraged to see their Guidance Counselor for advisement. 7. Please be mindful of ALL deadlines associated with the Course Selection Process. 8. **ALL Students must register on line (www.sfponline.org) for Courses. Deadline is posted in course booklet.**

# COLLEGE CREDIT PROGRAM

Detailed information for specific course offerings and registration can be located on the SFP website.

SFP has an affiliation with St. Francis College, St. John's University and Pace University to provide an opportunity to earn college credit while in high school. These courses are taken at SFP and are among the student's regularly scheduled classes.

The credits earned may be transferable to the college a student attends after graduation. Each college determines eligibility of such credits.

It is strongly recommended that interested students do some research prior to registration for any college credit courses. Although college credit is accepted at many colleges and universities, there are some schools that may not accept earned credits. It is the students responsibility to gather this information before making the commitment to register in the program.

**CRITERIA:** JRS: MUST HAVE 85 GPA. SRS: MUST HAVE 80 GPA.

**In addition to GPA,** student must also demonstrate PSAT / SAT score of:  
100 / 1000 (math / critical reading combined)

Costs for each semester course are as follows:

|                       |          |
|-----------------------|----------|
| St. John's University | \$250.00 |
| St. Francis College   | \$150.00 |
| Pace University       | \$150.00 |

Registration takes place for the FALL in September.

Registration takes place for the SPRING in January.

Specific days and times are located on the school calendar and website.

Registration takes place at SFP. Students must adhere to times and dates posted.

SFP is responsible to complete all registrations in a timely manner to ensure applications are processed in accordance with the college's deadline.

There are a variety of courses available for college credit in the following subject areas:

|                  |                  |
|------------------|------------------|
| Computer science | Foreign Language |
| Art              | Religion         |
| Music            | Science          |
| English          | Social Studies   |

**The listing of specific courses is located on the SFP website.**

# COURSES OFFERED DURING H PERIOD (7:50 A.M.)

Students who wish to take extra credits may take the following courses during H period (7:50 a.m.).

|           |      |                         |
|-----------|------|-------------------------|
| Comp. Sc. | 0050 | Programming in Java     |
| Comp. Sc. | 0040 | Computer Electronics    |
| Sci.      | 1040 | Biotechnology           |
| Sci.      | 1070 | Science Research        |
| Art       | 2000 | CAD                     |
| Mus.      | 2010 | Chamber Choir           |
| Mus.      | 2020 | String Orchestra        |
| Mus.      | 2030 | String Orchestra H      |
| Mus.      | 2040 | Percussion Ensemble     |
| Mus.      | 2050 | Concert Band            |
| Mus.      | 2540 | Percussion Ens. H       |
| Mus.      | 2550 | Chamber Orchestra H     |
| Art       | 2060 | Mech./Arch. Drawing     |
| Art       | 2070 | Movement for Performers |
| Art       | 2080 | Advanced Dance          |
| Art       | 2090 | Two-Dimensional Design  |
| Phys. Ed. | 7010 | Health                  |
| Soc. Stu. | 8020 | Global History II       |
| Soc. Stu. | 8040 | U.S. History            |
| Soc. Stu. | 8076 | A. P. Psychology        |

Permission for extra units or an H period class must be approved by one of the Assistant Principals. Use the Request Form on **Page 63** of this book to list **all the courses** you hope to take (not just those in H period).

Obtain the Chairperson's permission for **every course requiring approval**. Return the form to your **COR teacher** by the end of COR on Tuesday, 29 January. Forms are due in COR on **Tuesday, 29 January**.

**Approved** forms will be stamped with Mr. McLaughlin's or Mr. Castellano's name and returned to you by 1 Feb. Forms not approved will also be returned.

Keep these forms to complete your on-line registration.

**\*\* IMPORTANT:** Only students who are taking more than the required number of credits may take a course during the 7:50 a.m. period (H period). The exception to this restriction is for those students taking courses that meet only at this time: 0040, 0050, 1040, 1070, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2540, 2550, 8020, 8040, 8076.

Students should carefully consider whether they are capable of carrying extra units. Please be sure to consult with parents, teachers, and guidance counselors before signing up for extra class. Students choosing an extra unit will **not** be permitted to drop the course. Parents must give their signed permission for any extra unit courses.



**COURSE OFFERINGS****2013-2014****COMPUTER SCIENCE**

0040\* .50 C Comp. Elec.  
 0050\* .50 C Java Prog.  
 0360\* .50 C Artif.Intell.  
 0390\* .50 C Robotics  
 0480\* .50 C "C" Prog.

**SCIENCE**

1040\* .50 C Biotechnology  
 1070\* 1.00 Sci. Res.  
 1100\* 1.00 H Adv.PhysSciH  
 1110 1.00 Adv.PhysSci  
 1200\* 1.00 HR Biology H  
 1216\* 1.00 HR A.P. Bio.  
 1220 1.00 R Biology  
 1300\* 1.00 HR Chemistry H  
 1320 1.00 R Chemistry  
 1400\* 1.00 HR Physics H  
 1410 1.00 R Physics  
 1430\* .50 C Marine Biology  
 1440 1.00 Geology  
 1450\* .50 C Anat./Phys.  
 1470\* .50 C For. Sci.  
 1480\* .50 C Astronomy  
 1490\* 1.00 Sci. Res.  
 1536\* 1.00 H A.P. Env.Sci.  
 1556\* 1.00 H A.P. Biology  
 1576\* 1.00 H A.P. Chemistry  
 1596\* 1.00 H A.P. Physics

**MUSIC**

2010\* .50 H Cham.Choir  
 2020\* .50 String Orch.  
 2030\* .50 H StringOrch.  
 2040\* .50 Perc.Ensem.  
 2050\* .50 Con.Band  
 2120 .25 C Intro. Music  
 2150\* .50 Instrum. Music  
 2160\* .50 Strings  
 2210\* .50 Chorus I  
 2230\* .50 Woodwinds  
 2240\* .50 Brass  
 2250\* .50 Percussion  
 2260\* .50 Strings  
 2310\* .50 Chorus II  
 2410\* 1.00 R Hist. of Music  
 2480\* .50 C Music Theory I  
 2490\* .50 C Elec.Orches.  
 2516\* 1.00 HR A.P. Mus.Theory  
 2520\* .50 Music Lessons  
 2530\* .50 H Prep Chor. H  
 2540\* .50 H Perc. Ens. H

2550\* .50 H ChamberOrch.H  
 2610\* .50 C Mus.Tech.&Prod.  
 2630\* .50 H Stage Band H

**ART**

2000\* .50 C CAD  
 2060\* .50 C Mech/Arch.Draw.  
 2070\* .50 C Movement  
 2080\* .50 C Adv. Dance  
 2090\* .50 C 2 Dim.Design  
 2690\* .50 ArtI: Perf. Arts  
 2700\* .50 H Adv.Stud. Art I H  
 2710 .25 C Stud.in Art I  
 2720\* .50 Art II Fine Arts  
 2730\* .50 Art II Comm.Art  
 2740\* .50 Art II Perf.Art  
 2750\* .50 C Drawing I  
 2760\* .50 Art II Honors  
 2770\* .50 C Drawing/Life  
 2790\* .50 C 2 Dimen.Design  
 2800\* .50 C Painting  
 2810\* .50 C GraphicDes.  
 2826\* 1.00 H A.P. Art History  
 2830\* .50 C Adv. Digital Des.  
 2840\* .50 C Dig.Photography  
 2860\* .50 C Animation  
 2870\* .50 C Sculp.Design  
 2890\* .50 C Fashion Des.  
 2906\* 1.00 H A.P. Art Studio  
 2920\* .50 C TheaterDes.  
 2930\* .50 C Comp.Graph.  
 2940\* .50 C Web Page Des.  
 2960\* .50 C Hist.Cinema  
 2980\* .50 C Acting  
 2990\* .50 C Intro. Video

**FOREIGN LANGUAGE**

3100\* 1.00 Span.I.Nat.  
 3110 1.00 Spanish I  
 3130 1.00 Spanish II  
 3140\* 1.00 HR Span.III H  
 3150 1.00 R Spanish III  
 3160\* 1.00 Spanish IV  
 3176\* 1.00 H A.P. Span.Lang.  
 3182\* 1.00 Span.Conver.  
 3190\* 1.00 R Span.II,Nat.  
 3210 1.00 French I  
 3230 1.00 French II  
 3240\* 1.00 HR French III H.  
 3250 1.00 R French III  
 3260\* 1.00 French IV  
 3310 1.00 Italian I  
 3320 1.00 Italian II  
 3330 1.00 R Italian III  
 3350\* 1.00 HR Italian III H  
 3360\* 1.00 Italian IV

3410 1.00 German I  
 3420 1.00 German II  
 3430 1.00 R German III

**BUSINESS**

4420 .50 C Bus. Comm.  
 4430 1.00 Business Law  
 4440\* .50 C Bus.Computer  
 4460 .50 C Marketing  
 4490 1.00 Accounting I

**MATHEMATICS**

5100\* 1.00 HR Algebra 1 H  
 5120 1.00 R Algebra 1  
 5130\* 1.00 R Geometry, Adv.  
 5200\* 1.00 HR Geometry, H  
 5220 1.00 R Geometry  
 5300\* 1.00 HR Algebra 2, H  
 5320 1.00 R Algebra 2  
 5370\* 1.00 Algebra 2A  
 5400\* 1.00 H Math Analysis H  
 5450\* 1.00 Math 12  
 5506\* 1.00 H A.P.Calculus  
 5510\* 1.00 H Calculus H  
 5520\* 1.00 Pre-Calculus  
 5550\* 1.00 Prob./Stat.  
 5596\* 1.00 H A.P. Calc B.C.

**ENGLISH**

6100\* 1.00 H English 9 H  
 6120 1.00 English 9  
 6200\* 1.00 H English 10 H  
 6220 1.00 English 10  
 6306\* 1.00 HR A.P.Eng. Lang.  
 6320 1.00 R English 11  
 6506\* 1.00 H A.P. Eng. Lit.  
 6540 1.00 Drama  
 6520 1.00 World Lit.  
 6630 .50 C Gothicism  
 6680 .50 C Fiction  
 6690 .50 C Poetry  
 6910\* .50 Ind. Studies

**PHYSICAL EDUCATION**

7010\* .50 C Health  
 7120 .50 Phys. Ed. 9  
 7220 .50 Phys. Ed. 10  
 7310\* .50 Adv.Phys.Ed. I  
 7610 .25 C T.Ftbl/Wt.Tr.  
 7640 .25 C Speedbl/Soc.  
 7650 .25 C Basket/Lacr.  
 7660 .25 C Eur.Hdb./S.Def.  
 7680\* .50 Adv.P.E. II  
 7710 .25 C T.Ftbl./Soc.  
 7720 .25 C Lacr./F.Hock.  
 7780 .25 C G.Cond/S.Def.  
 7790 .25 C Dance/Aerob.  
 7820 .25 C Tennis/Jog.

7850 .25 C Padbl./Golf  
 7860 .25 C Volbl./Softbl.  
 7870\* .25 C Kbox/ProjAdv.  
 7880\* .25 C Yoga/Tai Chi  
 7910 .50 C Health  
 7920\* .50 C First Aid  
 7940\* .50 C Nutrition

**SOCIAL STUDIES**

8020\* 1.00 GlobalHis.II.  
 8040\* 1.00 His. of U.S.  
 8060\* .50 C Crim.Just.  
 8076\* 1.00 H A.P. Psych.  
 8100\* 1.00 H Global His.I H  
 8120 1.00 Global His. I  
 8136\* 1.00 H A.P.World Hist.  
 8200\* 1.00 HR GlobalHis.II H  
 8220 1.00 R GlobalHis.II  
 8236\* 1.00HR A.P. World Hist.II  
 8306\* 1.00 HR A.P.Am.Hist.  
 8320 1.00 R His.of U.S.  
 8420 1.00 Am.Law&Justice  
 8430 .50 C Intro. to Soc.  
 8440 .50 C Economics  
 8450 .50 C For. Crim.  
 8460 .50 C Crim.Justice  
 8470 .50 C Global Issues  
 8480 .50 C History WW II  
 8490 .50 C Hist. New York  
 8516\* 1.00 H A.P. Eur.Hist.  
 8586\* 1.00 H A.P. Govt.

**RELIGIOUS EDUCATION**

9120 .50 Religion 9  
 9220 .50 Religion 10  
 9380\* .50 ChristianServ.  
 9410 .25 C Morality  
 9420 .25 C Phil.of Life  
 9430 .25 C Body.Mind,Spirit  
 9470 .25 C Soc. Justice  
 9530 .25 C Jesus and Film  
 9560 .25 C Healing & Making Peace  
 9590 .25 C Rel. of World  
 9660 .25 C Hum.Sex. & Love

**LEGEND:**

C – one-semester course  
 \* – requires departmental approval  
 H – honors course  
 R – Regents course