

2019-2020 Curriculum Guide



Chicago's Oldest and Finest
Catholic High School

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TO THE STUDENT

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This Curriculum Guide is designed to help students and their parents plan a program of study for the upcoming school year. Students are encouraged to seek assistance in preparing a schedule of courses from counselors, teachers, and parents.

It is your responsibility to plan a program of courses that develops your own individual talents and meets your needs and post-high school goals. In planning a program, you need to consider the following questions:

- What are Saint Patrick High School's requirements for graduation?
- What are the College Readiness Standards?
- What are the admission requirements of the colleges, universities, or technical schools you may be interested in attending after high school?
- Which courses best fit your abilities, needs, and interests?

The course descriptions in this Curriculum Guide are written by your instructors and give very useful information. In selecting your classes, do not fall into the trap of choosing courses that will keep you with your friends and/or provide you with an "easy" schedule while leaving you with academic gaps you may not be able to fill later. Instead, select courses that provide you with the strongest academic support commensurate with your abilities while enhancing your options after high school.

Courses offered and scheduled for the upcoming school year are based on your selections that are usually made in February and March. Your choices of courses at this time determines whether a course will be offered. If there is insufficient registration for a course, it will be dropped. Because you are requested to discuss your course selections with your counselors, teachers, and parents before completing the online Course Selection Sheet, there should be no need to change courses after June 1st (with the only exceptions a closed class or a conflict in the Master Schedule).

Seek the help and advice you need, take the time to select your classes carefully. Remember, an individual student's program of studies should create opportunities, not limit one's possibilities.

MISSION STATEMENT

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Rooted in the spirit of Saint John Baptist de La Salle, Patron of all teachers, Saint Patrick provides an educational experience of the highest quality that enables young men to develop their maximum potential as lifelong learners and assets to society and the Church.

VISION STATEMENT

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Saint Patrick High School will be recognized as the premier all-male Catholic high school in Chicago.

CORE VALUE STATEMENTS

CORE VALUE STATEMENTS

1. We are Catholic in faith, Lasallian in tradition.
2. We believe in a holistic educational process that is student-centered and of the highest quality.
3. We have a concern for the dignity of each person.
4. We create a welcoming atmosphere of mutual respect, caring, and friendliness.
5. We foster and promote the development of leadership, service, and community through extracurricular participation.
6. We promote diversity as a life value for living, learning, and growing as balanced persons.
7. We believe in the strength of community, faculty, students, parents, alumni, and friends; that is the Saint Patrick family.

STATEMENT OF PHILOSOPHY

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The end of the Institute is to give a Christian education to children, and it is for this purpose that the Brothers keep schools. (Rule #1705 of St. John Baptist De La Salle, Founder of the Brothers of the Christian Schools)

In keeping with these Lasallian foundations, Saint Patrick High School is dedicated to educating its students toward Christian maturity, and to promoting intellectual inquiry in an atmosphere where all subjects are embodied with the spirit of the Gospel. This spirit fosters a lively and growing belief in the Divinity and Person of Jesus Christ and encourages acceptance of, concern for, and understanding of the dignity of the human person.

Saint Patrick High School today seeks to develop a reasoning individual who will be able to cope with today's complex concerns and it seeks to provide leadership in a modern, changing society. In 1990, Saint John Paul II wrote in *Ex Corde Ecclesiae*:

“(A School’s) Christian inspiration enables it to include the moral, spiritual and religious dimension in its research and to evaluate the attainments of science and technology in the perspective of the totality of the human person”.

He also states that a Catholic educational institution must possess: ...institutional autonomy necessary to perform its functions effectively and guarantee its members academic freedom, so long as the rights of the individual person and of the community are preserved within the confines of the truth and the common good.”



Saint Patrick High School will generate this growth through Catholic Christian formation, intellectual development, social consciousness, artistic expression, and physical development.

The Saint Patrick High School community consists of the student body, faculty, staff, administration, alumni, parents and the local community which it serves. As individuals searching for fulfillment, members of this community welcome each other with tolerance, sensitivity, and an awareness of their common human condition and destiny.

Saint Patrick High School exists to serve the needs of its students. Recognizing the diversity of its students, Saint Patrick High School provides comprehensive programs that accommodate the various needs of all who are accepted for admission. Students who have highly specialized needs will be referred to other agencies or programs.

Saint Patrick High School embodies the educational mandate of the Christian Brothers:

First, it is important that the Brothers' school at every level be characterized by quality education, a truly professional spirit and genuine service to students and to society.

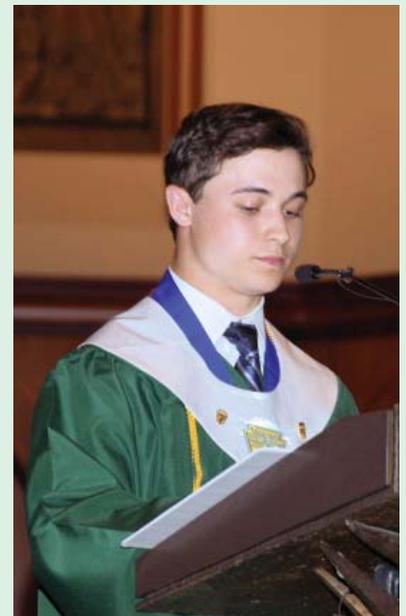
(The Brothers of the Christian Schools in the World Today, A Declaration, p.55)

CHARACTERISTICS OF A SAINT PATRICK GRADUATE

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The Saint Patrick High School Graduate will:

1. Be able to read, write, and speak effectively, and perform quantitative and analytic functions at a level appropriate to his ability;
2. Be able to understand the place of religion and the importance of ethics and morality in human experience, particularly as they relate to Catholicism and Christianity;
3. Have understanding of world geography and cultures, the literary and artistic heritage of Western civilization, the history of the United States and American government;
4. Have an understanding of essential practical and theoretical economic principles, with an emphasis on those concepts pertaining to the United States;
5. Understand, appreciate and be able to use scientific method in theory and practice;
6. Have an understanding and appreciation for the artistic and cultural world in which we live;
7. Be able to understand the importance of personal health and fitness through participatory experiences and academic exposure;
8. Be able to employ techniques common to research methodology;
9. Be able to use technological instruments, such as computers and iPads, both as working and learning tools; and,
10. Be able to assume responsibility for directing one's educational experience.



GRADUATION REQUIREMENTS

All courses offered at Saint Patrick High School are college preparatory courses.

The graduation requirements are as follows:

Classes of 2020 and 2021

- 4.0 Religious Studies
- 4.0 English
- 4.0 Mathematics
- 3.5 Social Studies
- 3.0 Science
- 2.0 Physical Education
- 2.0 World Language/Language Arts
- 1.0 Computer Skills
- 1.0 Fine Arts
- 5.5 credits in electives

30.0 TOTAL CREDITS

Classes of 2022 and 2023

- 4.0 Religious Studies
- 4.0 English
- 4.0 Mathematics
- 3.5 Social Studies
- 3.0 Science
- 2.0 Physical Education
- 2.0 World Language/Language Arts
- 1.0 Fine Arts
- 0.5 Microsoft Office Applications
- 0.5 Digital Citizenship
- 5.5 credits in electives

30.0 TOTAL CREDIT



1. Students are expected to carry a full load of 7.5 credits each academic year.
2. Students must also complete 15 hours of Christian Service during their freshman year, 20 hours of Christian Service during each of sophomore and junior years, and complete a capstone service project in senior year.
3. It is the responsibility of the student to be aware of the graduation requirements and also to be certain that his academic programs satisfy his requirements. It is also the responsibility of the students to review their class schedules to be certain they are scheduled for the required courses.
4. Beginning with the Class of 2020, students must complete two years of a world language or two years of language arts.
5. Students must pass an examination on the Declaration of Independence, the flag of the United States, the Constitution of the United States, and the Constitution of the State of Illinois.

SENIOR GRADUATION POLICY

It is the policy of Saint Patrick High School that failures incurred during an academic year be resolved in summer school. In the case of a senior who is deficient credit because of his failure to meet the course requirements, participation in the graduation ceremony is denied. The student will earn his diploma after successful completion of summer school.

Two first semester failures, or one in British Literature (English IV), automatically places the student in summer school. In some other subjects, a single first semester failure MAY be able to be resolved before participation in the graduation ceremony is denied. This will be dependent upon the student's schedule and the nature of the failure; teacher input will be requested. There is no guarantee that any failure can be resolved before summer school. A second semester failure automatically places the student in summer school.

Saint Patrick High School is sensitive to the family's desire of the young man being formally recognized as a graduate, acknowledged for four years of effort and directed to the future with our community's best wishes and prayers. Please have no misunderstanding, though, that participation in the Baccalaureate Mass and Graduation Exercises at Holy Name Cathedral is a privilege that is earned, not a right. The student is in control of his graduation; he must meet the graduation requirements.

SCHEDULING CONFLICTS

Due to the complexity of scheduling courses, students and parents are advised that conflicts may prohibit students from enrolling in all of the courses they select. All efforts will be made to build

student schedules to try to ensure that student course needs are met; however, scheduling conflicts do occur. Conflicts may include the following: limited sections of a course, teacher availability, registration priorities, etc. If scheduling complications arise, students will be notified when their schedules are sent during the summer.

FAMILY INITIATED COURSE CHANGES

FAMILY INITIATED COURSE CHANGES

Students have a number of opportunities to review their course selections during the registration process and prior to the start of the school year. Please understand that changes in a student's schedule are difficult once the master schedule has been set. Academic success begins with, and is directly related to, proper course selection. A major goal of the education program is to hold the student accountable for his approved course selections.

Every course should provide a degree of challenge to the student; without such challenge, learning would not take place. Saint Patrick High School wants every student to succeed in his program, but not at the expense of enrolling in a class that is below his academic potential. There are a few instances where a student has been placed in an unapproved course or in an inappropriate level of a course. Before the class/course change is requested, the student, his parents, guidance counselor, and present teacher should exhaust all alternatives to a course change. Early contact is imperative.

After the student has spoken with the teacher and his counselor, the process begins with contact between the parent/guardian and the teacher. They should discuss the concerns the student is having in the class and develop strategies and interventions to support the student in his learning. Time is then needed to put the interventions and strategies into place. If difficulties still continue, then the student, his parent/guardian, his counselor, and the teacher should meet to review the assistance that has been provided and the strategies that have been undertaken. If further interventions are discussed, then they will be given time to be implemented. If, after all of the interventions have been exhausted and a level change is warranted, such will be processed.

At that time, the student will receive a course request change form from his counselor. The student will complete his portion to explain his reason for a course change. The student's parent/guardian will complete the portion to support the course change. The student's current teacher will document any interventions that may have taken place prior to the course change request. If a student has not sought additional help and support from the teacher prior to this process, the course request will not be granted until such additional support has been provided. The form will then be given to the student's counselor who will check to determine how the change will affect his academic status, i.e., graduation requirement and minimum credits per year. The student's counselor will then complete the counselor's portion of the form and submit the form to the Director of Curriculum and the International Studies Program's office. At that time, the Director of Curriculum and the International Studies Program will determine if the request is possible based on these conditions:

- the addition will not create an overload in class size;
- the schedule can be rebuilt with a minimum number of class changes;
- the addition is appropriate to the ability level of the student;
- the course prerequisites have been satisfied.

There is a \$100.00 course change fee that will be added to the tuition.

All requests for course changes are evaluated on individual merit. Careful thought and planning, rather than impulsive behavior, must dominate the reasons for the request.

For first semester courses, course changes due to academic misplacement must be made by one week after the end of the first quarter. For year long courses, such changes must be made by the end of the week when we return from Christmas vacation. For classes that meet only during the second semester, such changes must be made by one week after the end of the third quarter.



TRANSCRIPT

TRANSCRIPT

The transcript is the official document that reflects credit earned at Saint Patrick High School, or transfer credit accepted to fulfill graduation requirements. It also documents completion of the Constitution exam and the driver's education classroom portion if completed at Saint Patrick High School. The transcript also includes proficiency credit granted within our program.

Credit for enrichment classes earned at other schools or programs is not recorded on the transcript. A student who participates and earns credit from schools outside Saint Patrick High School should request official documents from that institution. The student is also encouraged to pursue instructor recommendations that refer to his participation in that program.

PROFICIENCY CREDIT

PROFICIENCY CREDIT

Saint Patrick High School recognizes that its students come to school with a variety of educational experiences and knowledge. Students who can demonstrate, on a proficiency exam, a high degree of expertise in subjects, such as Mathematics, World Language or Microsoft Office Applications, are candidates to receive proficiency credit in the respective subject.

The transcript is the official document that reflects credit earned at Saint Patrick High School. For this reason, demonstrated proficiency in a subject area will be listed without a grade or credit. Proficiency credit is not to be viewed as part of the credits required per year, or as partial completion of graduation requirements.

EXTRACURRICULAR PARTICIPATION

EXTRACURRICULAR PARTICIPATION



Students participating in any extracurricular activity, either athletic or non-athletic, are required to meet the standards determined by the Illinois High School Association and those of Saint Patrick High School.

In keeping with these regulations, weekly academic checks are conducted in the activities' respective seasons.

Saint Patrick High School follows the eligibility procedures established by the Illinois High School Association. Please refer to the Student Handbook for the formal statement of Eligibility Rules issued by the IHSA.

COLLEGE ADMISSIONS INFORMATION

COLLEGE ADMISSIONS INFORMATION



Among American colleges and universities, there are great variations in admissions requirements and in academic demands made on students. Published information about these variations is readily available in college catalogs and online. Students and parents are encouraged to schedule a meeting with the College Counselor.

The principle factors about a high school candidate considered by college admission offices are:

1. High school grades: These are the most important determinants because grades are used to compute the grade point average and class rank.
2. Test results: These include tests administered by the College Entrance Examination Board, the American College Testing Program, and the standardized tests administered by the high school. (Each college lists in its catalog its required admission test.)

3. Personal attributes: These include such qualities as motivation, enthusiasm for learning, social adjustment, emotional maturity, sense of integrity and responsibility, special aptitudes and skills, achievements and leadership (and not mere membership) in school activities, attendance, work experience, and accurate self-assessment of aptitudes and abilities.

4. Subjects studied in high school: The high school subjects and subject levels required of each college are listed in its catalog. Students are urged to use the resources provided by the Naviance.

COURSE WEIGHTING AND GRADING

COURSE WEIGHTING AND GRADING

Since the type of work and expectations vary according to the ability level of a course, the following system of weighting is used.

These quality points are used to compute one's adjusted grade point average.

Course Level	A+	A	B+	B	C+	C	D+	D	F
	100-97	96-93	92-89	88-85	84-81	80-77	76-73	72-70	<70
Phoenix	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0
DeLaSalle	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.0
Academy	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	0.0
AP/PACC	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	0.0

THE ACADEMIC PROGRAM

THE ACADEMIC PROGRAM

The Saint Patrick High School academic program consists of courses designed to challenge the ability levels of the student body. The graduation requirements are designed to meet most college admission standards and/or job application needs.

The academic program is comprised of three programs of study based on the student's ability level(s). The Honors (Academy Scholars) Program is intended for students with high ability or special interests. The College Prep (Saint De La Salle) Program is provided for the student whose ability is at grade level or moderately above grade level. The College Prep (Phoenix) Program seeks to address the needs of students below grade level. Since a student's ability may not be the same in all subjects, it is possible for one to enroll in courses that span more than one ability level. The College Prep (Phoenix) Program does not provide special education resources.

SAMPLE FOUR YEAR PLAN

SAMPLE FOUR YEAR PLAN

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
RELIGIOUS STUDIES (4 credits required)	Catholic Foundations and Mass and Sacraments	Old and New Testaments	Morality and Church History	Social Justice and Christian Lifestyles
ENGLISH (4 credits required)	English I	English II	American Literature	British Literature
MATHEMATICS (4 credits required)	Algebra I	Geometry	Algebra II	Pre-Calculus

SOCIAL STUDIES (3.5 credits required)	World History	US History (one semester)	US History (both semesters)	American Government/Civics and Economics
SCIENCE (3 credits required)	Biology	Chemistry	Physics	
WORLD LANGUAGE/ LANGUAGE ARTS (2 credits required)	World Language I/ Language Arts I	World Language II/ Language Arts II		
PHYSICAL EDUCATION (2 credits required)	Health/Physical Education	Health/Physical Education	Physical Education	Physical Education
FINE ARTS (1 credit required)	Fine Arts	Theatre/Visual Design/Speech		
COMPUTER SKILLS (0.5 credit required)	Microsoft Office Applications			
ELECTIVES	None	One credit	Two credits	Three credits
TOTAL CREDITS	7.5	7.5	7.5	7.5

HONORS ACADEMY
SCHOLARS LEVEL

HONORS ACADEMY SCHOLARS PROGRAM

Courses are offered at the Honors Academy level over all four years for those students with high ability or special interests. The courses are at Honors level in Freshman through Senior years, including those that fulfill graduation requirements, as well as an extensive choice of Honors electives, where, in some cases, college credit can be earned and/or the Advanced Placement Test (possibly guaranteeing college credit/standing for courses taken in high school) taken. Most juniors and seniors in the Academy Scholars Program take three to five of these Honors courses each year. Other students may simply take one Honors course to satisfy a special interest.

Academy Scholars Program courses are designed to encourage bright and creative minds to explore their potential and are taught at a pace and style suited to students who are self-initiating and highly motivated for their grade level. Students and teachers contribute to a positive learning atmosphere in Honors courses where higher thinking skills are developed, stimulating ideas are generated and explored, and hidden talents are discovered.

While success in the Academy Scholars Program coursework is rewarding in itself, special grade weighting is also used, enabling students to achieve high grade point averages and ranks at the top of their graduating class. Students who take at least three Honors courses in their Sophomore, Junior, and Senior years and who have a cumulative G.P.A. of 4.0 or higher at the end of the eighth semester have their diploma and transcripts read "Graduate with Honors."

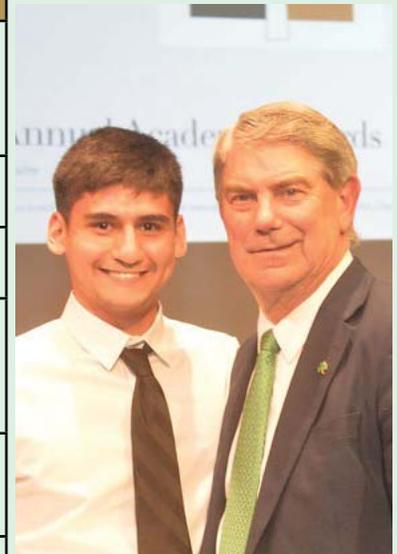
ADVANCED PLACEMENT PROGRAM: The Advanced Placement division of the Academy Scholars Program offers the opportunity for high school students to earn college credit. Students characterized by high motivation and ability, or who have a special talent or interest in a particular subject area, are qualified to participate in the examination process.

Saint Patrick High School currently offers formal Advanced Placement classes in Calculus, English, US History, American Government, Macroeconomics, and World Languages (Spanish and French). Testing is available in all subject areas.

PACC PROGRAM: The Program for Advanced College Credit (PACC) is a unique opportunity for students to earn dual credit, both for high school and college. The PACC Program is sponsored by Saint Mary's University of Winona, MN, and will issue college credit for approved courses, typically our AP level classes. Saint Mary's recognizes that the effort and performance for the duration of a course warrants consideration for college level credit, as much as the score a student receives on a one day exam. An official transcript will be issued to students who enroll in the program, which is generally recognized by Midwest universities. (Visit www.smumn.edu/PAC for more information.)

The sample program below is an example only.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
RELIGIOUS STUDIES (4 credits required)	Catholic Foundations and Mass and Sacraments	Old and New Testaments	Morality and Church History	Social Justice and Christian Lifestyles
ENGLISH (4 credits required)	H English I	H English II	H or PACC American Literature	H or PACC British Literature
MATHEMATICS (4 credits required)	H Advanced Algebra - or - Geometry	H Geometry - or - H Pre-Calculus	H Pre-Calculus - or - PACC Calculus I	PACC Calculus I - or - PACC Calculus II
SOCIAL STUDIES (3.5 credits required)	H World History	H or PACC US History (one semester)	H or PACC US History (both semesters)	H or PACC American Government/Civics and H or AP Economics
SCIENCE (3 credits required)	H Biology	H Chemistry	H Physics	PACC Human Anatomy and Physiology
WORLD LANGUAGE/ LANGUAGE ARTS (2 credits required)	H World Language I	H World Language II	H World Language III	H World Language IV
PHYSICAL EDUCATION (2 credits required)	Health/Physical Education	Health/Physical Education	Physical Education	Physical Education
FINE ARTS (1 credit required)	Fine Arts	Theatre/Visual Design/Speech		
COMPUTER SKILLS (0.5 credit required)	Microsoft Office Applications			
ELECTIVES	None	One credit	One credit	One credit
TOTAL CREDITS	7.5	7.5	7.5	7.5



DE LA SALLE COLLEGE PREP COURSES

DELASALLE COLLEGE PREP COURSES

Since a college education is the goal of most students entering Saint Patrick High School, the De La Salle College Prep courses offer the largest number of coursework available to students. Students taking these courses over their four years are able to take all of the necessary courses required for admission to state universities in Illinois.

Students (as freshmen) are placed into the De La Salle courses based on their incoming Placement Test scores and the academic report from the grammar school. However, a student may begin in the Phoenix College Prep courses or in the Academy Scholars courses and then be moved into the De La Salle College Prep courses in one or more subjects when it is determined that his academic needs will be best met in a different academic climate.

The sample program below is an example only.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
RELIGIOUS STUDIES (4 credits required)	Catholic Foundations and Mass and Sacraments	Old and New Testaments	Morality and Church History	Social Justice and Christian Lifestyles
ENGLISH (4 credits required)	English I	English II	American Literature	British Literature



MATHEMATICS (4 credits required)	Algebra	Geometry	Algebra II/ Trigonometry	Pre-Calculus
SOCIAL STUDIES (3.5 credits required)	World History	US History (one semester)	US History (both semesters)	American Government/Civics and Economics
SCIENCE (3 credits required)	Biology	Chemistry	Physics	
WORLD LANGUAGE (2 credits required)	World Language I	World Language II		
PHYSICAL EDUCATION (2 credits required)	Health/Physical Education	Health/Physical Education	Physical Education	Physical Education
FINE ARTS (1 credit required)	Fine Arts	Theatre/Visual Design/Speech		
COMPUTER SKILLS (1 credit required)	Microsoft Office Applications			
ELECTIVES	None	One-half credit	One and one-half credits	Two and one-half credits
TOTAL CREDITS	7.5	7.5	7.5	7.5

PHOENIX COLLEGE PREP COURSES

PHOENIX COLLEGE PREP COURSES

The Saint Patrick High School Phoenix College Prep courses are designed for students who are working below their grade level. The main thrust of the coursework is to help the student improve in areas where he is weak so that he can be mainstreamed into the De La Salle College coursework if possible. For students requiring it, however, there is a four-year sequence of Phoenix College Prep courses. Since it is important for college admission, students considering college should strive for the De La Salle College Prep courses.

On the Freshman level, students in Phoenix College Prep courses are assigned to a specific faculty group. A goal of the coursework is to allow the teachers as a unit to get to know their students well and, thus, to be able to identify and work with student strengths and weaknesses.

Participation in a four-week summer program is a requirement for final acceptance.

The Phoenix College Prep coursework does not provide special education resources.



	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
RELIGIOUS STUDIES (4 credits required)	Catholic Foundations and Mass and Sacraments	Old and New Testaments	Morality and Church History	Social Justice and Christian Lifestyles
ENGLISH (4 credits required)	English I	English II	American Literature	British Literature
MATHEMATICS (4 credits required)	Pre-Algebra	Algebra I	Geometry	Algebra II
SOCIAL STUDIES (3.5 credits required)	World History	US History (one semester)	US History (both semesters)	American Government/Civics and Economics
SCIENCE (3 credits required)	Biology	Chemistry	Physics	
LANGUAGE ARTS (2 credits required)	Language Arts I	Language Arts II		
PHYSICAL EDUCATION (2 credits required)	Health/Physical Education	Health/Physical Education	Physical Education	Physical Education

FINE ARTS (1 credit required)		Fine Arts	Theatre/Visual Design/Speech	
COMPUTER SKILLS (1 credit required)	Microsoft Office Applications *			
SUMMER PROGRAM (0.5 credit required)	Summer Program *			
ELECTIVES	None	One credit	One and one-half credits	Three credits
TOTAL CREDITS	7.5	7.5	7.5	7.5

* Students who test into the Phoenix College Prep coursework are required to take a four week program during the summer prior to freshman year. The content of the program will focus on reinforcing skills in English/Language Arts, Math, and Study Skills as well as the Microsoft Office Applications I material. This will allow us to schedule a Resource period which is a guided study hall during the regular academic day.

HOW TO READ A COURSE DESCRIPTION

The remaining pages in this Academic Course Book contain descriptions of the courses offered at Saint Patrick High School. In reading each course description, the student should be aware of the following items:

- Each listed course begins with the course number followed by the course's name.
- A one (1) credit course spans a full year, both semesters. A one-half (1/2) credit course spans one-half of the year, either the Fall or Spring semester.
- The ability level of the instruction is given for each course:
 - “AP/PACC” indicates a course designed for students with exceptional ability and motivation;
 - “Honors” indicates a course designed for students with high ability, talent and interest that covers more material, proceeds at a faster pace, and is more challenging;
 - “DeLaSalle” indicates a course designed for students of average ability;
 - “Phoenix” indicates a course designed for students who have tested below grade level and may need remediation in a particular subject area.
- The prerequisites for a course indicate the necessary minimum/maximum Grade Point Average prior to enrollment, department chairperson/instructor approval that must be secured as the student enrolls, and/or the academic experience a student must possess as he registers for the course.

HOW TO READ A COURSE DESCRIPTION

DEPARTMENTS

BUSINESS APPLICATIONS

BUSINESS APPLICATIONS

The Saint Patrick Business Applications curriculum, operating as a subunit of the Social Studies Department, offers a variety of subject-oriented, goal-minded, and practical selections.

Students will be exposed to the law, taxes, investments, insurance, and consumerism as well as the skills and tools required to communicate in our modern, technological society. Students will become familiar with industry standards of working with hardware and software on a network.

Electives include opportunities to pursue and explore specific business and computer related fields.

GRADUATION REQUIREMENTS

For the Classes of 2021 and earlier, one credit is required for graduation. The required courses are one-half credits in each of Microsoft Office Applications I and Microsoft Office Applications II. For

the Class of 2022 and beyond, one half credit is required in Microsoft Office Applications.

FRESHMAN

112 MICROSOFT OFFICE APPLICATIONS

1/2 credit/DeLaSalle weight

A required course for graduation taken during freshman. Included: introduction, re-enforcement, and intensive skill development of the alpha/numeric/ symbolic keyboard; word processing formatting of all forms of business communication and personal correspondence; and instruction of necessary commands to save, format, edit, preview, print, etc. to properly blend expected outcomes with computer capabilities.

SOPHOMORE

126 MICROSOFT OFFICE APPLICATIONS II - Class of 2021 and earlier

1/2 credit/DeLaSalle weight

Microsoft Office Applications II is a hands-on approach to learning the four applications in the 2010 Microsoft Office Suite. Students will complete projects in Microsoft Word, Excel, PowerPoint, and Access that will allow them to produce professional looking documents for use in high school and college work, personal use, as well as employees in industry. With today's emphasis on writing across the curriculum in both high school and college, this course will prepare students to properly format, research, and document sources for their papers, link Excel worksheets and charts to a Word document as well as integrate Word documents and Excel spreadsheets into a PowerPoint presentation. In addition, real world projects presented in an exercise-oriented approach will foster "learning by doing" and help students make a connection between content material and real life applications of their skills.

PREREQUISITE: Completion of Microsoft Office Applications or demonstrate proficiency in Microsoft Office Applications.

127 DIGITAL CITIZENSHIP- Class of 2022 and later

1/2 credit/DeLaSalle weight

Through the exploration of 2D and 3D design and expression in the digital age, students will critically engage with their place in our evolving world and how they can best represent themselves in technology and beyond. By employing Google Sketchup, as well as other Google apps, students will build skills in a variety of settings that can be applied to the course, future careers, and interpersonal communication.

PREREQUISITE: Completion of Microsoft Office Applications or demonstrate proficiency in Microsoft Office Applications.



SOPHOMORE, JUNIOR, AND SENIOR

122 SPORTS & ENTERTAINMENT MARKETING

1/2 credit/DeLaSalle weight

This is a course designed to focus on the decisions a businessman must make as he plans, prices, promotes, and distributes his products and services to the buying public, specifically in the Sports and Entertainment market. Projects designed to help the student become a better communicator will be completed and included among them will be product/service demonstrations, and script writing for radio and television commercials, audio and video tape recording of student-developed commercials, and group and individual sales presentations.

PREREQUISITE: Approval of instructor.

163 INCUBATOREDU@SPHS

1 credit/Honors weight

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality.

PREREQUISITES: Approval of the IncubatorEDU instructor with the completion of an essay and a personal interview and a counselor recommendation.

172 ENTREPRENEURSHIP AND SMALL BUSINESS OPERATIONS (ESBO)

1/2 credit/DeLaSalle weight

Entrepreneurship will give an overview of the American business system. It surveys varying forms of ownership, business organization, management operations, and financing as they relate to business. The course will focus on ideas, practices, and the best policies and procedures of small business operations, job skills, customer service, customer behavior, risk management, and human resource management. It will also explore general themes in business ethics and business law as they relate to small business operations and management.

PREREQUISITE: Approval of instructor.

JUNIOR AND SENIOR

132 BUSINESS LAW

1/2 credit/DeLaSalle weight

Have you ever thought about a career in law (as a lawyer, judge, police officer, or paralegal)? What must you know and do (and not do) if you are involved in an automobile or other serious accident? How do you file a lawsuit? What do you do if a lawsuit is filed against you? What should you know about the legal aspects of real estate and insurance? What is the difference between criminal and civil law? Are contracts really enforceable? Does it matter in our legal system if you are a minor or an adult? How are contracts formed? How does the court system work? Is it really as important to have a family lawyer as a family doctor? The answers to these and other questions are provided in Business Law.

PREREQUISITE: A minimum G.P.A. of 2.5.

152 PRINCIPLES OF ACCOUNTING

1 credit/DeLaSalle weight

This course covers the fundamentals of accounting. The proper forms and papers necessary for sole proprietorships, partnerships, and corporations will be analyzed. There is also a section in the course on state and federal taxes.

PREREQUISITE: Approval of the Accounting instructor.

173 INCUBATOR II

1 credit/Honors weight

Incubator II is a course that students can enroll in if they receive funding to implement the business they created in the INCubatorEDU course. The focus in this course is on scaling the business that was pitched to the investors at the end of the INCubatorEDU course. Students will run their businesses for the full school year. Areas of importance include: incorporating the business, project/time management, opening a business bank account and managing funds, conducting quarterly investor presentations, developing a marketing plan, developing a sales playbook, working with financials and an accounting management system, acquiring customers, doing presentations to potential customers, website development, production management, prototype development, and fully running the business that was created in the INCubatorEDU program.

PREREQUISITES: Funding of the INCubatorEDU project and approval of the IncubatorEDU instructor.



ENGLISH

ENGLISH

The Saint Patrick High School English curriculum is designed to prepare students for future academic work in high school and college and for success in their chosen careers. Most importantly, English classes will help students experience, understand, and appreciate the role played by language, literature, and research in all aspects of life.

In striving to realize these goals, the English Department offers an integrated and comprehensive program. During the freshman year, students are trained in computer word processing and research skills that they will often be required to use throughout their high school years in nearly every subject. Literature, writing skills, grammar usage, and vocabulary development receive emphasis at every level throughout the required four-year English program.

Sample English sequence

	PACC	HONORS	DELASALLE	PHOENIX
FRESHMAN	H English I	H English I	English I	English I
SOPHOMORE	H English II	H English II	English II	English II
JUNIOR	PACC American Literature	H American Literature	American Literature	American Literature
SENIOR	PACC British Literature	H British Literature	British Literature	British Literature

GRADUATION REQUIREMENTS

All students must earn at least four credits over four years from the English Department's required sequence of course offerings.

FRESHMAN

210 ENGLISH AS A SECOND LANGUAGE I

1 credit/Phoenix weight

This course introduces students to basic structures and vocabulary of the English language

through the skills of reading, writing, speaking, and listening. Students learn strategies to develop reading, listening, and pronunciation skills. They expand oral comprehensibility and write complete sentences, a standard paragraph, and short content-based essays using level-appropriate conventions of grammar and punctuation with minimal errors. This course contributes to skills needed in mainstream classes.

211 ENGLISH I PX

1 credit/Phoenix weight

An introduction to writing constitutes the basis for this course, and sentence writing skill is the major point of emphasis. To provide the student with the fundamentals necessary for success in high school composition, the course will include a complete program in correct English usage, grammar, vocabulary, as well as basic study skills.

212 ENGLISH

1 credit/DeLaSalle weight

This course will focus on an introduction to and development of writing skills; it will also lay the foundation for the study of literature. Sentence writing and paragraph development will be stressed, and correct grammar usage will be taught. The student will be exposed to various literary genres with selections drawn from mythology, Shakespeare, and contemporary sources. Vocabulary development and an introduction to the library will be included.

213 H ENGLISH I

1 credit/Honors weight

This course will cover all of the topics in English 212, but classes will be conducted at an accelerated pace with greater depth and intensity. More literary selections will be included and more advanced work in composition will be expected.

215 LANGUAGE ARTS I PX

1 credit/Phoenix weight

This course is designed to supplement the freshman English course and to help students become better readers. Emphasis is placed on comprehension of fiction and nonfiction texts as well as vocabulary building and critical thinking. Learning areas covered in the freshman English course are reinforced in speaking and writing.



SOPHOMORE

221 ENGLISH II PX

1 credit/Phoenix weight

The writing component of this course will focus on sentence mastery, the paragraph, and the multi-paragraph essay. The students will learn the formal research paper and other related Library skills. In literature study, students will continue to read selected short stories, dramas, non-fiction, poetry, and novels. Vocabulary building skills and grammar skills in writing and speaking will be emphasized.

PREREQUISITE: Placement by current English instructor.

222 ENGLISH II

1 credit/DeLaSalle weight

This course will emphasize the writing techniques needed for the production of the paragraph, the multi-paragraph essay, and the composition of literary analyses. A review of correct English usage and a continuation of vocabulary study will be included. The students will learn the formal research paper and other related Library skills. The literature segments of the course will focus on the study of literary genres, themes, and terminology. Short story, drama, non-fiction, poetry, and novels will be covered.

PREREQUISITE: Placement by current English instructor.

223 H ENGLISH II

1 credit/Honors weight

This course will cover all of the topics of English II 222, but classes will be conducted at an accelerated pace with greater depth and intensity. The students will learn the formal research paper and other related Library skills. More literary selections will be included and more advanced work in composition will be expected. Several projects (including a short research assignment) are required.

PREREQUISITE: Placement by current English instructor.

225 LANGUAGE ARTS II PX

1 credit/Phoenix weight

This course is designed to supplement the sophomore English course and to build upon the reading skills addressed in Language Arts I. Emphasis is placed on comprehension of fiction and nonfiction texts as well as vocabulary building and critical think. Learning areas covered in the sophomore English course are reinforced in speaking and writing. The Language Arts program terminates after this class.

PREREQUISITE: Placement by current English instructor.

226 ENGLISH AS A SECOND LANGUAGE II

1 credit/DeLaSalle weight

This course is a continuation of skills learned previously in ESL I. Students continue to develop

reading, listening comprehension, speaking and pronunciation skills as well as vocabulary recognition. They expand their academic writing skills through multiple-paragraph compositions that demonstrate organization of ideas, use of a thesis statement, and supportive elements. Proper grammar and syntax are emphasized. This course contributes to skills needed in mainstream classes and standardized test preparation.

PREREQUISITE: Placement by current English as a Second Language instructor.

JUNIOR

231 AMERICAN LITERATURE/COMPOSITION PX

1 credit/Phoenix weight

Along with the study of American literature, the production of expository, narrative, and descriptive paragraphs plus short essays will be the focus of this course. A continued emphasis on sentence mastery, good grammar usage, and vocabulary development will be included. The course will pay attention to the historical development of American literature and to its major themes. The students will learn the formal research paper and other related library skills.

PREREQUISITE: Placement by current English instructor.

232 AMERICAN LITERATURE/COMPOSITION

1 credit/DeLaSalle weight

This course will offer a survey of American literature integrated with composition. Expository, narrative, and descriptive writing will be covered. Students will be required to complete a major research paper. American writers, their distinctive styles, and their contributions to the development of American literature will be highlighted. Vocabulary and grammar skills will be emphasized as needed.

PREREQUISITE: Placement by current English instructor.

233 H AMERICAN LITERATURE/COMPOSITION

1 credit/Honors weight

This course will cover all of the topics in American Literature/Composition 232, but classes will be conducted at an accelerated pace with greater depth and intensity. More literary selections will be included and more advanced work in composition and research will be expected. Performance in this course will determine the student's potential for enrolling in the Honors or Advanced Placement English in senior year.

PREREQUISITES: A B+ average or better in English, proficiency in writing, completion of summer reading selections, and placement by current English instructor.

234 PACC AMERICAN LITERATURE/COMPOSITION

1 credit/AP weight

PACC American Literature is designed to challenge the honors student who is especially interested in literature and composition. Like Honors American Literature/Composition, students are expected to be careful readers in studying major literary texts, but the course is "advanced" in that students are working at a college level and pace. Independent understanding and appreciation of literature are important prerequisites. Performance in this course will determine the student's potential for continuing in Advanced Placement English in senior year. Three hours of college credit can be earned through enrollment in Saint Mary's PACC program.

PREREQUISITES: A "B+" average or better in English, proficiency in writing, completion of summer reading selections, and placement by current English instructor.

236 ENGLISH AS A SECOND LANGUAGE III

1 credit/DeLaSalle weight

This course is an extension of skills learned previously in ESL II. Students further develop their reading, listening, speaking, and pronunciation skills as well as advanced vocabulary integration. They refine their academic writing skills through advanced compositions that demonstrate college-readiness. Intensive grammar and varied syntax are emphasized. This course contributes to skills needed in upper level classes, standardized test preparation, and universities.

PREREQUISITE: Placement by current English as a Second Language instructor.

SENIOR

240 ENGLISH AS A SECOND LANGUAGE IV

1 credit/DeLaSalle weight

This course integrates previously learned skills in ESL III. Students master their reading, listening, speaking, and pronunciation skills as well as academic vocabulary integration. They explore varied writing modes through creative compositions, memoirs, poetry, storytelling, and drama, as well as journalism and other news reporting such as blogs and social media posts. This course prepares students for college study and beyond.

PREREQUISITE: Placement by current English Language Learning instructor. This course can also be taken by international students only for senior English elective credit without having taken a previous ESL course.

241 BRITISH LITERATURE/COMPOSITION PX

1 credit/Phoenix weight

This course is designed to provide the student with an opportunity to read, study, and gain insights from a survey of British literature. Students will explore literary periods, genres, authors, major poets, and novelists. The writing component will give the student experience with practical

writing skills with a continued emphasis on sentence mastery, good grammar usage, and vocabulary development.

PREREQUISITE: Placement by current English instructor.

242 BRITISH LITERATURE/COMPOSITION

1 credit/DeLaSalle weight

This course combines a survey of British literature with instruction and practice in composing essays in a variety of written forms. The literature covers important literary periods, genres, authors, major poets, and novelists. The composition component anticipates the college writing experience, especially in the analysis of literature and the development of the essay. Vocabulary and English grammar competency for better expression of ideas are stressed. This course is recommended for college-bound students.

PREREQUISITE: Placement by current English instructor.

243 H BRITISH LITERATURE/COMPOSITION

1 credit/Honors weight

This course in literature and composition demands careful reading and studying of major literary texts to sharpen awareness of language and the writer's craft. Through discussion and writing, students develop critical standards for the independent appreciation of literary works. Writing (especially critical analysis) will be taught throughout the course. A well-developed vocabulary and correct language usage will be stressed. Capable students are encouraged to take the AP exam.

PREREQUISITES: A 3.5 or better A.G.P.A., a B+ average in English, completion of summer reading selections, and placement by current English instructor.



244 ADVANCED PLACEMENT/PACC (AP/PACC) ENGLISH

1 credit/AP weight

AP English is a course designed to challenge the honors student who is especially interested in literature and composition. Like Honors British Literature students are expected to be careful readers in studying major literary texts, but the course is "advanced," in that students are working at a college level and pace. Independent understanding and appreciation of literature are important prerequisites. The course emphasizes not only the texts themselves, but also a deep historical background of the authors and their times, as well as significant literary criticism. Students can earn college credit by taking the AP Exam, which is strongly recommended. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: A 3.5 or better A.G.P.A., a B+ average or better in English, completion of summer reading selections, placement by current English instructor, and approval of AP instructor.

SOPHOMORE, JUNIOR, AND SENIOR

254 FUNDAMENTALS OF JOURNALISM

1/2 credit/DeLaSalle weight

This is a survey course, focusing on print, photo-, and broadcast journalism. Students will learn the history, significance, and function of an independent press; learn about major people and events in journalistic history; become acquainted with basic newswriting techniques; and review journalistic ethics and the law. Students will build a working knowledge of current events; discover why certain stories make front page news, while others do not, recognize media bias; and explore careers in journalism.

PREREQUISITE: Approval by current Journalism instructor.

JUNIOR AND SENIOR

253 YEARBOOK

1/2 credit/DeLaSalle weight

This class is designed for those students who wish to develop their publication skills while recording a year in the history of Saint Patrick High School and earning credit at the same time. It entails work on all facets of the yearbook, *Shamrock*: theme development, photography, page design, writing and editing articles and captions. Extensive instruction is given in In-Design. This class accepts a limited number of students each semester.

PREREQUISITE: Approval of current teacher and Yearbook teacher.

255 JOURNALISM PRODUCTION

1 credit/Honors weight

Journalism Production is an upper-level course designed to do three things: 1. provide students with an understanding of the media, its rich history, and its essential functions in a democracy; 2., provide students with practice in the core skills of a journalist, including writing technique, researching stories, interviewing, copy-editing, and ethical decision-making; and 3., provide the Saint Patrick community with a high-quality student newspaper, a dedicated news website, an active social media presence, and live play-by-play of Shamrock sporting events, all produced by students. This course will be writing-intensive. Students will be trained to research stories, interview subjects, write news copy, and edit their own stories. They will also be trained in elements of public speaking and broadcast journalism. As a part of his grade, each student will also be expected to contribute to the production of a high-quality student newspaper and website, an active student podcast, and other published materials.

PREREQUISITE: Approval by the Journalism Production instructor.

Today's world is dependent upon the rapid, visual transmitting of ideas. The study of visual/oral communications teaches the student how he can use the tools and skills of the artist/designer to express himself in a clear and intelligent way. During the process of learning, an appreciation of the arts is developed.

GRADUATION REQUIREMENTS:

One credit in Fine Arts is required, usually 318 Fine Arts and 322 Principles of Visual Design. Band, Chorus, Percussion, and Theatre classes can be substituted with approval from Director of Curriculum and the International Studies Program based upon the fulfillment of the course prerequisites.

REQUIRED FRESHMAN

318 FINE ARTS

1/2 credit/DeLaSalle weight

Fine Arts is a combination of art, music, and theatre as the required half-credit Fine Arts course taken during freshman year. Every six weeks of the course will be devoted to one of the three arts areas. This will provide the students with an informed and experienced perspective on each area so that the student can make his second half-credit fine arts course choice more confidently. The class is structured to provide the students a creative education; this proposal creates learning communities in which every student is given the same basic foundations. By standardizing the freshman level course, each student has an equal opportunity to succeed as an artistic learner.

If a student wishes to pursue a full year of Band, Chorus, Percussion, or a semester of Art or Theatre, the student or parent should initiate the request with the Director of Curriculum and the International Studies Program who will solicit the consent of the respective instructor.

GENERAL FINE ARTS COURSE

321 ARTS AND IDEAS

0.5 credit/Phoenix weight

Arts and Ideas is a course designed to examine how fine arts are used in modern culture, and to explore ways in which students can interact with the fine arts in the real world. This course is meant to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process.

PREREQUISITE: Completion of 318 Fine Arts.

MUSIC COURSES

FRESHMAN, SOPHOMORE, JUNIOR, AND SENIOR

310 BEGINNING BAND

1 credit/DeLaSalle weight

This course is open to students with very little or no previous band experience who have an interest in learning how to play a band instrument. Freshmen may need to enroll in a summer Microsoft Office Applications I class. Students will learn the fundamental techniques associated with their instruments as well as basic music reading skills and perform in two concerts during the school year. All performances, while outside of class hours, are considered a part of the course requirements and attendance is expected. Beginning Band students are expected to have their own instrument with selection determined upon consideration with the band instructor. Band instruments include flute, oboe, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba, guitar, bass guitar, and percussion. There is a limit to how many instruments of each kind that a band can have, so flexibility in selection is desired.

312 JAZZ BAND I

1 credit/DeLaSalle weight

Selection into this ensemble is based on playing ability along with the needs of the group. An emphasis is placed on learning fundamental skills, techniques, and styles associated with performing jazz band music. Admission is based on prior training on a band instrument and private audition. Students of Jazz Band perform in school concerts, festivals, twice a month sectionals, and home basketball games as part of the Pep Band. One or two contests/festivals are also scheduled which provide an opportunity for the band to be evaluated by objective professional experts. These performances, while outside of class hours, are considered part of the course requirements and attendance is expected. Freshmen may enroll in this class with the consent of the instructor.

PREREQUISITE: Consent of the instructor.



313 HONORS JAZZ BAND II

1 credit/Honors weight

Selection into this ensemble is based on playing ability along with the needs of the group. Priority is placed on performing music at a high level and playing challenging music in a variety of styles. Admission is based on previous performance and private audition. Students of Honors Jazz Band perform in school concerts, open houses, festivals, twice a month sectionals, and home basketball games as part of the Pep Band. One or two contests/festivals are also scheduled which provide an opportunity for the band to be evaluated by objective professional experts. All of these performances, while outside of class hours, are considered part of the course requirements and attendance is expected.

PREREQUISITES: Audition and consent of the instructor.

316 DLS/317H PERCUSSION II

1 credit/DeLaSalle/Honors weight

Selection into Percussion II CP/H is based upon audition, prior performance, and director consent. Students will build upon the skills they have acquired in their previous percussion experiences. They will interpret, compose, and perform a wide variety of music using percussion instruments. Students will continue to use drums, keyboard percussion, accessory percussion, hand drums, and found sound as learning tools and performance media. The culmination points of the class will be several public performances in which the students demonstrate the skills they have acquired. All of these performances, while outside of class hours, are considered part of the course requirements and attendance is expected.

PREREQUISITES: Prior percussion experience and consent of the instructor.

319 DLS/320H CONCERT BAND

1 credit/DeLaSalle/Honors weight

Selection for the DeLaSalle or Honors level is based upon audition, prior performance, and director consent. Students will rehearse and perform traditional concert band music. Students should be able to read music notation and perform on flute, oboe, clarinet, saxophone, bassoon, trumpet, French horn, trombone, baritone, tuba, or percussion. One or two contests/festivals are also scheduled which provide an opportunity for the band to be evaluated by objective professional experts. Performances occur outside of the school day and attendance is expected.

PREREQUISITE: Consent of the instructor.



373 MEN'S CHORUS

1 credit/DeLaSalle weight

Freshmen may enroll in this course; please note that they may need to enroll in a summer Microsoft Office Applications I class. The course is designed for students who demonstrate good vocal quality and a desire to sing in a choral setting. Students will concentrate on the mechanics of singing through proper breathing and tone production. The students will continue to grow with their understanding of sight-singing and tonal memory, as well as reading from sheet music. Students will be expected to perform in at least two concerts during the school year at Saint Patrick, and two at Trinity High School.

PREREQUISITE: Consent of the instructor.

374 HONORS CHORUS

1 credit/Honors weight

This audition-only ensemble concentrates on an advanced repertoire of musical selections allowing for solo work and unaccompanied singing. Emphasis is placed on singing a variety of musical styles and performances of quality choral literature. The group performs four scheduled concerts per year. Students are encouraged to participate in Central District and All-State music festivals. Performances are an important component of this course and student participation is required.

PREREQUISITE: Audition and consent of the instructor.

SOPHOMORE, JUNIOR, AND SENIOR

326 DIGITAL MUSIC I

1/2 credit/DeLaSalle weight

This course is designed for the student who has an interest in learning to make independent music using technology. Topics covered include music software, song composition, and digital audio recording.

PREREQUISITE: Fine Arts

327 DIGITAL MUSIC II

1/2 credit/DeLaSalle weight

This course is designed for the student who wishes to further his knowledge of electronic music. Students will build upon the knowledge of music software, song composition, and digital audio recording acquired in 325 Digital Music I. There will be a heavy emphasis on students creating and recording original content.

PREREQUISITE: 325 Digital Music I

VISUAL ARTS COURSES

FRESHMAN, SOPHOMORE, JUNIOR AND SENIOR

322 PRINCIPLES OF VISUAL DESIGN

1/2 credit/DeLaSalle weight

This is a one-semester course for both the student who has a high interest in art and for the student who has always wanted to take an art course. Students will develop their drawing skills, and become familiar with the principles of good design. In this studio class students will work in ink, colored pencils, tempera paint, copper relief, and cut paper.

PREREQUISITE: Fine Arts or sketchbook approval by the Art Chairperson.

SOPHOMORE, JUNIOR, AND SENIOR

323 COMPUTER GRAPHICS I

1/2 credit/DeLaSalle weight

This one semester non-programming course will perform an in-depth investigation of Adobe Illustrator and Photoshop. It will examine the concepts of two-dimensional design in relation to computer art and animation. Students will be expected to produce digital artwork which references different artists and which explores the different tools of each computer program.

PREREQUISITES: Fine Arts, Microsoft Office Applications I, and approval from the Computer Graphics instructor.

324 WEB PAGE DEVELOPMENT

1/2 credit/DeLaSalle weight

Students gain valuable real life skills by designing and developing websites using Dreamweaver, and PhotoShop. Topics in Dreamweaver including using templates, creating hyperlinks, inserting pictures and CSS.

PREREQUISITES: Microsoft Office Applications and approval of the instructor.

325 H COMPUTER GRAPHICS II

1/2 credit/Honors weight

Students will continue the exploration of drawing concepts using Adobe Illustrator and Photoshop. Additionally, this course will explore 3D modeling and thus delve deeply into the ideas of rendering texture and convincing lighting. This course is meant to prepare students for college courses in character and environment rendering in relation to gaming. Student candidates for this class will be successful only if the students enjoy drawing and are computer savvy.

PREREQUISITES: A B or higher in 323 Computer Graphics I and approval from the Computer Graphics instructor.

334 DRAWING I

0.5 credit/DeLaSalle weight

This is a single semester studio course that introduces drawing techniques. Students will utilize observational drawing methods to improve their skills and create a range of 2D projects with an emphasis on compositional skills. Students will work with graphite, charcoal, pastel, colored pencil, and ink. Sketchbook homework, written reflections, and creation of a digital portfolio will be required throughout the course.

PREREQUISITES: 322 Principles of Visual Design and approval of the Drawing instructor.

335 DRAWING II

0.5 credit/DeLaSalle weight

This is a single semester studio course offered to students who have successfully completed 334 Drawing I. This course builds upon basic skills acquired in the previous course with an emphasis on personal interpretation. Students will be encouraged to develop their personal style through distortion, collage, and mixed materials to expand their creative process. Students must maintain a digital portfolio and sketchbook with twice-weekly entries of sketches, reflections and experimentation.

PREREQUISITES: 334 Drawing I and approval of the Drawing instructor.

336 PAINTING I

0.5 credit/DeLaSalle weight

This is a single semester studio course that is offered to any student who has successfully completed Drawing I. In this course, students will work from direct observation as they explore basic painting techniques with an emphasis on color theory and form. Students must maintain a digital portfolio and sketchbook with twice-weekly entries of sketches, reflections, and experimentation.

PREREQUISITES: 334 Drawing I and approval of the Drawing instructor.

337 PAINTING II

0.5 credit/DeLaSalle weight

This is a single semester studio course that is a continuation of 336 Painting I. It provides deeper exploration into two-dimensional techniques and emphasis on the development of a student's individual point of view. Using traditional and non-traditional materials, students develop inventive experimental approaches to a variety of pictorial media and examine how media, idea,

and composition relate. Students must maintain a digital portfolio and sketchbook with twice-weekly entries of sketches, reflections, and experimentation.

PREREQUISITES: 337 Painting I and approval of the Painting instructor.

338 3-D DESIGN

0.5 credit/DeLaSalle weight

This is a single semester studio course through which the elements and principles of 3-D design are studied and utilized to create art that exists in three dimensions. Various artists, art styles, and genres will be explored. The sculptural process of assemblage, reduction carving, and modeling will be used to create artwork based on a theme or concept. The ability to generate original solutions to design problems will require basic drawing skills, creative thinking, and artistic exploration of possible approaches. Weekly sketchbook assignments that require drawing, reflection, and research are part of the curriculum

that is offered to any student who has successfully completed Drawing I. In this course, students will work from direct observation as they explore basic painting techniques with an emphasis on color theory and form. Students must maintain a digital portfolio and sketchbook with twice-weekly entries of sketches, reflections, and experimentation.

PREREQUISITES: 334 Drawing I and approval of the Drawing instructor.

332 ART I (Will not be offered in 2019-2020)

1 credit/DeLaSalle weight

This is a two-semester class in which students will continue their art experience with an emphasis on developing skills and expressing ideas through various media. Students will work in charcoal, pen and ink, water-based paints, block printing and various other media. Sketchbook homework and written reflections will be required throughout the course. This class is a prerequisite for Art II.

PREREQUISITES: Fine Arts and approval of the current Art instructor.

382 GRAPHIC DESIGN I

1/2 credit/DeLaSalle weight

Graphic Design is the creative planning and execution of visual communication. This course will provide a comprehensive study of design elements and principles through the study of two-dimensional space. Emphasis on inventiveness in the use of makers, layout skills, composition, and mechanical skills. Only a small amount of the semester will be devoted to the introduction of computer assisted drawing in Illustrator.

PREREQUISITES: Fine Arts and approval of the current Art instructor.

383 H GRAPHIC DESIGN II

1/2 credit/Honors weight

This course is a non-programming continuation of theoretical and practical aspects of problem-solving in visual communication. This class will also take a more in-depth examination of the use of Adobe Illustrator, InDesign, and Photoshop to assist in layout, mechanical skills, and studio preparation for graphic production. Specific projects include posters, promotional materials, identity campaigns, and brochures.

PREREQUISITES: B or better in 382 Graphic Design I and approval of the Graphic Design I instructor.

385 INTRODUCTION TO DIGITAL PHOTOGRAPHY

1/2 credit/DeLaSalle weight

This introductory course explores the techniques and applications of acquiring images using a digital camera, and manipulating digitized photographic images using Photoshop. Students will investigate visual literacy skills as they critique photography, photographic vocabulary, and composition. Students will also be introduced to works by well-known photographers. Students will be expected to demonstrate an ability to use the tools competently in the production of their art work. Students who do not own a digital camera will be able to borrow one for periods of time. Students will not be required to purchase a digital camera to take this course.

PREREQUISITES: Fine Arts and approval of the current Art instructor.

386 PRINTMAKING

1/2 credit/DeLaSalle weight

This course is an introduction to the fundamentals of printmaking. There will be an overview of a wide range of printmaking techniques, with a closer investigation in five different printmaking processes: monoprint, collograph, linocut, woodcut, and drypoint. An emphasis of the course will be on the principles of design and developing and mastering basic techniques in printmaking, along with composition. The approach includes working from objective observations and subjective imagination. Students will be challenged to think critically and encouraged to experiment. Sketchbook homework and written reflections will be required throughout the course.

PREREQUISITES: Fine Art Survey and approval of the Printmaking instructor.

2345 INTRODUCTION TO CERAMICS

1/2 credit/DeLaSalle weight

This summer enrichment class will include the basics of clay handling and sculpture. Topics will include bowls and vessels, and basic hand building techniques in relation to making sculptural pieces. Glazing and surface techniques will also be covered.



JUNIOR AND SENIOR

344 ADVANCED STUDIO

1 credit/Honors weight

This is a rigorous college-level studio course offered to highly motivated juniors and seniors who have taken 334 Drawing I and at least two other courses, such as 335 Drawing II, 336 Painting I, 337 Painting II, 385 Introduction to Digital Photography, 382 Graphic Design I, 338 3-D Design, or 386 Printmaking. The coursework is designed to build mastery in technique, composition/design, research, experimentation, and creative problem solving. Critical thinking, objective analysis of artwork, and the ability to communicate in the language of art will be developed and used throughout the course. Developing meaningful peer relationships and self-motivation is necessary. Students must be willing to devote several hours per week of outside time to art production, research, and self-improvement. Maintaining an active art journal/sketchbook is a critical course requirement.

PREREQUISITES: 334 Drawing I and at least two other Visual Arts courses and approval of the Advanced Studio instructor.

342 ART II (Will not be offered in 2019-2020)

1 credit/DeLaSalle weight

This is a two-semester class in which students pursue larger design challenges in drawing and painting. Students will work in charcoal, colored pencil, acrylic paint, pen and ink, and various mixed media. Specially recommended students may take this class at an Honors level. These students must demonstrate the skill and ability to work at an advanced level. Sketchbook homework and written reflections will be required throughout the course.

PREREQUISITES: B or better in Art I and approval of the Art I instructor.

343 H ART III (Will not be offered in 2019-2020)

1 credit/Honors weight

This two-semester course continues the ideas explored in Art II. Art III further examines design principles through two-dimensional and three-dimensional art making. Art III explores various media such as paint, charcoal, colored pencils, printmaking, and plaster sculpture. This class especially emphasizes the development of artwork with the student's own point of view. These students must demonstrate the skill and ability to work at an advanced level.

PREREQUISITES: B or better in Art II and approval of the Art II instructor.

384 H GRAPHIC DESIGN III

1/2 credit/Honors weight

This course continues to build problem solving skills in relation to art and visual communication. This class will involve heavy use of Adobe Illustrator and InDesign. The use of type in art will also be explored. This class will also pay particular attention to deadlines and finishing skills.

PREREQUISITES: B or better in 383 H Graphic Design II and approval of the H Graphic Design II instructor.

387 H GRAPHIC DESIGN IV

1/2 credit/Honors weight

This course offers an extension of the concepts covered in 384 H Graphic Design III, including design for multiple page layouts. This class delves heavily into the use of Adobe InDesign as a graphic design tool, thus this class is technology heavy. Additionally, copy-writing is necessary to create the required layouts for this class.

PREREQUISITES: B or better in 384 H Graphic Design III (384) and approval of the H Graphic Design II instructor.



THEATRE ARTS COURSES

SOPHOMORE, JUNIOR, AND SENIOR

328 IMPROVISATION

1/2 credit/DeLaSalle weight

This is an introduction to the elements of improvisation. Students will gain an experiential understanding of both comedic and dramatic acting through the application of improvisational techniques. Students will create characters, stories, and relationships through writing and improvisational exercises. The course will culminate in a performance-based presentation in front of a live audience.

PREREQUISITE: Fine Arts

351 SPEECH

1/2 credit DeLaSalle weight

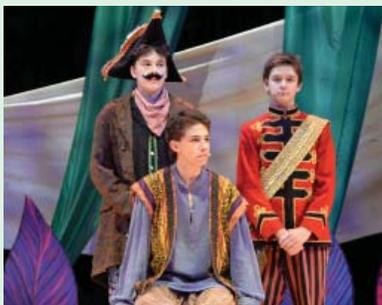
This course will help the student develop verbal skills and self-confidence in a formal speaking situation. The emphasis will be placed on three major types of speeches: the informative, the demonstrative, and the persuasive. Concentration on organization of ideas, good oral delivery, resource materials, and voice diction will be stressed. The course is offered to all students interested in becoming better speakers.

PREREQUISITE: Approval of the instructor.

352 THEATRE ARTS

1/2 credit/DeLaSalle weight

This course will provide a survey of all the components that make up a theatrical production including script reading, acting techniques, blocking and staging, and set design. A play-writing workshop and theatre history will be offered and attendance at a theatrical production and some outside reading will be required. This course is offered to all students who have ever imagined themselves "on stage" in the role of another personality.



353 TECHNICAL THEATRE

1/2 credit/DeLaSalle weight

Technical Theatre is designed to provide the student with the techniques used by designers and technicians in the production of theatrical works. Course content builds off basic knowledge gained from Theatre Arts and expands the student's skills with construction, design, lighting, sound, and implementation in a production atmosphere. The process of design and execution will be balanced by a strong grounding in theatre history.

PREREQUISITE: Approval of the instructor.

355 THEATRE APPRECIATION

1/2 credit/AP/PACC weight

This course is the PACC-level equivalent of 352 Theatre Arts. As an introductory study of the drama and theatre of the past and present, this course is designed for the student who has no previous experience in theatre or who is interested in furthering his knowledge of the elements and practices common to the theatre arts. This course is directed toward gaining a greater understanding of theatre in our culture and will focus on enabling the student, as an audience member, to engage in, analyze, and appreciate theatre. The student will explore acting, directing, playwriting, construction and design, dramaturgy (history), etc. It is a goal to impress upon the students how theatre has enriched humanity and reacted for and against society since its beginnings. This will be couched in a group experience in which the students will create ensemble mock theatre companies. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITE: Approval of the instructor.

362/363 ACTING/H ACTING

1/2 credit/DeLaSalle/Honors weight

The course studies the basic steps an actor follows in preparing a role, including text analysis, improvisation, memorization, rehearsal, and presentation. Monologues and short scenes are studied culminating in a public presentation at the end of the semester. Attendance at, and evaluation of, three productions is required.

PREREQUISITE: Approval of the instructor.

JUNIOR, AND SENIOR

356 PUBLIC SPEAKING

1/2 credit/AP/PACC weight

This course prepares students to make effective informative and persuasive presentations incorporating audiovisual enhancements; and, to utilize active listening techniques. The responsibilities of both the speaker and the listener are stressed. Practical experience in preparation, delivery, participation, and evaluation are provided. In addition, interpersonal communication, interview skills, and debate will be explored. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITE: Approval of the instructor.

MATHEMATICS

MATHEMATICS

The general aim of the mathematics curriculum is to provide each student with the opportunity to acquire and develop mathematical skills commensurate with his ability. These include basic areas necessary for everyday life in our modern society and topics which are fundamental for studies in a wide variety of disciplines at the college level and in other technical areas. The courses cover the traditional areas of high school Algebra and Geometry as well as advanced topics from a modern viewpoint. Both traditional and modern teaching techniques are employed. In an effort to keep abreast of modern technologies, the use of calculators is required and the study of computer science is encouraged.

Sample Mathematics sequence for those students in the Class of 2022 and earlier

	PACC	HONORS	DELASALLE	PHOENIX
FRESHMAN	H Advanced Algebra - or - H Geometry	H Advanced Algebra	Algebra I	Pre-Algebra
SOPHOMORE	H Geometry - or - H Pre-Calculus	H Geometry	Geometry	Algebra I
JUNIOR	H Pre-Calculus - or - PACC Calculus I	H Precalculus	Algebra II - or - Algebra II/Trig	Geometry
SENIOR	PACC Calculus I - or - PACC Calculus II	PACC Calculus I	H Precalculus	Algebra II

Sample Mathematics sequence for those students in the Class of 2023 and subsequent years

	PACC	HONORS	DELASALLE	PHOENIX
FRESHMAN	H Geometry	H Algebra I	Algebra I	Pre-Algebra or PX Algebra I
SOPHOMORE	H Algebra II/Trig	H Geometry	Geometry	PX Algebra I -or- Geometry
JUNIOR	H Pre-Calculus	H Algebra II/Trig	Algebra II	Geometry -or- Algebra II
SENIOR	PACC Calculus I	H Pre-Calculus	Financial Math -or- Modeling and Statistics	Algebra II -or- Financial Math

GRADUATION REQUIREMENTS

Four credits are required for graduation.

FRESHMAN

510 PRE-ALGEBRA

1 credit/Phoenix weight

Pre-Algebra is designed for the incoming freshman who has not yet been exposed to formal topics of algebra. This class will focus on fundamental skills of numerical operations using whole numbers, integers, decimal and fractions and two- and three-dimensional graphical representations of equality and inequalities. Practice will include exercises using calculators and spreadsheets. Pre-Algebra will concentrate on the processing of the language of mathematics into symbols and operations for use in practical applications, ultimately for use in algebra. Placement is determined through the freshman mathematics placement exam.

511 ALGEBRA I PX

1 credit/Phoenix weight

Students will investigate linear equations and inequalities and their respective graphs. The concepts of absolute value, compound equations, systems of linear equations and quadratics will be introduced. Basic factoring techniques, word problems, and work with formulas will be applied in real-world practical situations. Placement is determined through the freshman mathematics placement exam.

512 ALGEBRA I

1 credit/DeLaSalle weight

This is our introduction for students who have demonstrated a limited experience with algebra and a strong background in pre-algebra. This course will cover a traditional path of investigating the properties of real numbers and variables, solving equalities and inequalities, graphing linear and quadratic functions, solving systems, and operations with exponents and polynomials. Placement is determined through the freshman mathematics placement exam.

513 H ALGEBRA I

1 credit/Honors weight

This is the first course in our Honors Mathematics sequence. This class is designed for students who have previously experienced algebra in middle school, but hat not mastered all of the course material. We will cover the topics indicated in the 512 Algebra I course with greater rigor. A few additional units will be included to prepare students for the remainder of the Honors sequence. These units include additional coverage of roots and radicals, rational expressions and equations, and if time permits, some probability. Placement is determined through the freshman mathematics placement exam.

523 H GEOMETRY

1 credit/Honors weight

This level of Geometry is approached at an accelerated pace. It is designed for students who have previously experienced algebra in the middle school and have mastered all of the course material. Topics of postulates, theorems and proofs are discussed both traditionally and with a discovery approach. The usual topics and properties of triangles, polygons, congruency, and similarity are analyzed both geometrically and algebraically. Advanced topics include three-dimensional figures and trigonometry. Placement is determined through the freshman mathematics exam.

SOPHOMORE

526 ALGEBRA I PX

1 credit/Phoenix weight

Algebra I PX is the course that follows the Freshman Pre-Algebra class. Topics will continue to investigate linear equations and inequalities and their respective graphs. The concepts of absolute value, compound equations, systems of linear equations and quadratics will be introduced. Basic factoring techniques, word problems, and work with formulas will be applied in real-world practical situations.

PREREQUISITE: Placement by current instructor.

531 GEOMETRY

1 credit/Phoenix weight

This course covers the usual topics of Geometry such as fundamental relationships involving triangles, quadrilaterals, and circles. The concepts of congruency, similarity, perimeter, and area are applied to common life situations. Algebraic principles discovered in Algebra are also applied and extended.

PREREQUISITE: Placement by current instructor.

522 GEOMETRY

1 credit/DeLaSalle weight

Placement in this level of Geometry is dependent on the student's success in Algebra I. Modern Geometry traditionally develops the concepts of postulates, theorems, and proofs. The usual topics and properties of triangles, polygons, congruency, similarity, perimeter, area, and volume are discussed, with an emphasis on algebraic practice.

PREREQUISITES: C or better in Algebra I CP and approval by current instructor.

523 H GEOMETRY

1 credit/Honors weight

This level of Geometry is approached at an accelerated pace. Topics of postulates, theorems and proofs are discussed both traditionally and with a discovery approach. The usual topics and properties of triangles, polygons, congruency, and similarity are analyzed both geometrically and algebraically. Advanced topics include three-dimensional figures and trigonometry.

PREREQUISITES: C+ or better in H Advanced Algebra and approval by current instructor.

JUNIOR

531 GEOMETRY

1 credit/Phoenix weight

This course is for those juniors who took either the Pre-Algebra and Algebra I PX sequence of courses in their freshman and sophomore years. This course covers the usual topics of Geometry such as fundamental relationships involving triangles, quadrilaterals, and circles. The concepts of congruency, similarity, perimeter, and area are applied to common life situations. Algebraic principles discovered in Algebra are also applied and extended.

PREREQUISITES: Placement by current instructor.

532 ALGEBRA II

1 credit/DeLaSalle weight

Algebra II is a typical, second year, fundamental Algebra course. Topics of Algebra I are not only reviewed but also discussed in greater depth. In addition, more emphasis is placed upon the rational and irrational numbers, complex numbers, systems of equations, linear and quadratic functions and their graphs.

PREREQUISITES: A C or better in Algebra I (512) and Geometry (522) and the approval of the Geometry instructor.

533 ALGEBRA II/TRIGONOMETRY

1 credit/DeLaSalle weight

Algebra II/Trigonometry is a modern course designed for students of better ability. It covers the usual topics of Algebra II while reviewing and expanding basic topics and emphasizing the structure of the real number system. Key topics include rational and irrational numbers and functions, logarithms, and trigonometry of both right and non-right triangles. Algebra II/Trigonometry is a strong course for college-bound students.

PREREQUISITES: A B or better in Algebra I (512 or 514) and Geometry (522 or 523) and approval of the Geometry instructor.

537 H PRE-CALCULUS

1 credit/Honors weight

Pre-Calculus covers elementary vector theory, analytic geometry, real and complex number relationships, and the function concept. The circular functions, trigonometry, and applications of triangles and geometric figures are studied.

PREREQUISITES: A C+ or better in H Advanced Algebra (514) and H Geometry (523) and approval of the Geometry instructor.

SENIOR

536 ALGEBRA II PX

1 credit/Phoenix Weight

Students placed in this course have successfully completed both Algebra and Geometry at the College Prep (DeLaSalle) level, but do not meet the grade requirements to be placed in College Prep (DeLaSalle) Algebra II or higher. It is meant to prepare students for materials covered on the ACT as well as getting the student ready for a college level mathematics course in the future. While the textbook and topics covered are the same as the College Prep (DeLaSalle) level, this course will move at a slower pace with more selective topics covered. The course will consist of a review of material covered in Algebra I and Geometry as well as introduce new topics necessary to be successful in future mathematics courses.

PREREQUISITES: Juniors who need more of a mathematical foundation for the study of Algebra II and seniors who need to complete their four year mathematics graduation requirement.

543 H PRE-CALCULUS

1 credit/Honors weight

Pre-Calculus follows the Algebra II/Trigonometry course. It covers elementary vector theory, analytic geometry, real and complex number relationships, and the function concept. The circular functions, trigonometry, and applications of triangles and geometric figures are studied.

PREREQUISITES: A "C+" or better in Algebra II/Trigonometry (533) and the approval of the Algebra II/Trigonometry instructor.

544 ADVANCED PLACEMENT CALCULUS

1 credit/AP/PACC weight

This course follows the prerequisite Honors Algebra II/Trigonometry course and covers the balance of the pre-calculus concepts while introducing the calculus topics of the derivative and integral of all the standard functions as well as applications of areas, volumes, maxima and minima problems, and related rates. The course prepares the student for the annual Advanced Placement (AB Level) Calculus Test through which he may earn college credit. Four hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: C+ or better in H Algebra II/Trigonometry (534) and the approval of the Algebra II/Trigonometry instructor.

545 PACC CALCULUS II

1 credit/AP/PACC weight

This course is a continuation of 544 (Saint Mary's University course M151). Some of the topics of 544 Advanced Placement Calculus are revisited at a higher mathematical level. Topics include: limits, differentiation, applications of the definite integral, inverse trigonometric functions, techniques of integration, improper integrals, indeterminate forms, numerical methods for integration and approximation, curves in the plane given parametrically, and vectors in 2-space and 3-space. Four hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: Minimum grade of C in Advanced Placement Calculus.

546 FINANCIAL ALGEBRA

1 credit/DeLaSalle weight

This course follows 532 Algebra II or 536 Algebra II. This is a course that will use mathematics to give students the tools to become financially and technologically responsible adults. The course begins with a study of generalized, but key math functions and operations, as well as the numbering system, fractions, decimals, percentages, ratios, and proportions. The course employs algebra, geometry, probability, and statistics to solve financial and technical problems that occur in everyday life. Real world scenarios in estimating, investing, credit banking, insurance, mortgages, employment, taxes, and retirement planning are solved by applying relevant mathematics.

PREREQUISITE: Completion of Algebra II.

553 H PROBABILITY AND STATISTICS

1/2 credit/AP/PACC weight

This course is offered to students with a strong mathematical background. The course is designed to introduce students to the use of statistical methods and concepts with numerous examples of the importance of statistics in everyday life. Topics include Design of Experiments, Descriptive and Inferential Statistics, The Laws of Probability, Probability Distributions, Population Estimates and Sample Sizes, Hypothesis Testing, Chi-Square Tests, Nonparametric Statistical Tests, and Correlation and Regression. Appropriate technology, including Graphing Calculators, and Excel will be used to aid in calculations and interpreting the results of a statistical study or graph. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: This course is open to Juniors who are concurrently enrolled in Algebra II/ Trig or Algebra II/Trig Honors. Seniors who have earned a "B+" or better in Algebra II/Trig or

Algebra II/Trig Honors may also enroll in this class as a stand alone course or may take it concurrently with another math course such as Trigonometry, Pre-Calculus, or Calculus.

562 MODELING AND STATISTICS

1credit/DeLaSalle weight

This course is designed to follow the 533 Algebra II–Trig course and is intended for those students looking to take a fourth full year of mathematics. The pace of the course is not as quick or rigorous as 543 H Pre–Calculus. While the course covers all of the topics covered in 552 Probability and Statistics, it also includes an additional semester consisting of post–Algebra II–Trig topics. Some of the topics include systems of equations, matrices, Gauss–Jordan elimination, linear programming, exponential functions, including growth, decay, and compound interest problems, arithmetic and geometric series and sequences, and vectors.

PREREQUISITES: A minimum grade of C in 533 Algebra II–Trig and approval of the current instructor.

SOPHOMORE, JUNIOR, AND SENIOR

527 INTRODUCTION TO COMPUTER SCIENCE

1 credit/DeLaSalle weight

The focus of this course is to learn how to teach a computer to perform a desired task. Students will learn how to create an abstract model that describes a task to be performed. Students will learn how to apply top–down reasoning to create algorithms that provide the logical statements and functions necessary to complete a task. Students will program in JavaScript (ECMAScript 6) with the use of a text–editor and render their results within a browser. Students will be exposed to pervasive programming paradigms including data representation (variables, data types, and objects), control logic (sequential, conditions, and loops), functions, and classical inheritance models.

PREREQUISITES: Completion of Algebra I. If a student has taken a Phoenix level English class, he will need approval from the current course instructor.

JUNIOR AND SENIOR

539 LEWIS UNIVERSITY COMPUTER SCIENCE

1 credit/PACC/AP weight

This course is taught by Lewis University professors and fulfills their requirements to earn three hours of college credit for their course, CPSC 2000–Introduction to Computer Science. This course explores the field of computer science. It provides an overview of computer architecture, networking, data organization, information security, and computational theory. Students will be introduced to fundamental concepts underlying all of computing such as algorithms, abstractions, and how computer represent numbers, text, images, and sound. Students will learn the basics of programming and computational problem solving. Three hours of college credit can be earned through enrollment in Lewis’ dual enrollment program.

PREREQUISITES: A minimum grade of B in 527 Introduction to Computer Science and in Algebra II and approval from the Introduction to Computer Science teacher.

538 COMPUTER SCIENCE II (Not Offered in 2019–2020)

1 credit/Honors weight

Building on the knowledge and skills from the previous course, students begin developing small applications. Students will learn how to design and implement application components, weaving together both front–end and back–end components. The course will be taught with a JavaScript based development stack.

PREREQUISITES: Approval of the Introduction to Computer Science instructor.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

Physical Education is more than a body–building program of activities for the purpose of healthful living or for the development and maintenance of physical fitness. It is also more than just the teaching of physical skills or the playing games for recreation purposes. Physical Education is a method of education; it is a way of teaching students through experiences gained by participation in motor activities.

NOTE: All Physical Education courses include students of all academic abilities. The grades given in Physical Education freshman and sophomore year are included in the student’s grade point average. Junior and senior year are not.

GRADUATION REQUIREMENTS

Two credits in Physical Education/Health are required for graduation. A student takes one–half credit in Physical Education/Health during each school year. Only those students with a permanent medical excuse from a practicing physician will be exempt from the two–credit requirement. Those students exempting themselves from Physical Education must file a medical excuse in the Director of Curriculum and the International Studies Program’s office.

612 FRESHMAN PHYSICAL EDUCATION/HEALTH

1/2 credit/DeLaSalle weight

All freshmen are required to take one semester of Physical Education, Health and Aquatics. The nine week Health Education unit will cover topics such as nutrition, personal hygiene, life long fitness, drugs, alcohol and tobacco abuse. All students will participate in pool activities for two, three-week units. Students are grouped by swimming ability. A three week unit of sports introduction and fitness will be included into freshman year. The grade in freshman Physical Education is included in the student's grade point average.

622 SOPHOMORE PHYSICAL EDUCATION/HEALTH

1/2 credit/DeLaSalle weight

All sophomores are required to take one semester of Physical Education, Health and Aquatics. The nine week Health Education unit will cover topics as infectious diseases, AIDS, CPR and First Aid. All students will participate in the pool activities for one three week period. A six-week unit in fundamentals of physical education activities will be stressed. The grade in sophomore Physical Education is included in the student's grade point average.

634 TEAM SPORTS

1/2 credit

Students will participate in drills and games of selected traditional and non-traditional team sports. The skills, rules, and competitive strategies of each of the sports will be emphasized and assessed. The sports to be covered include baseball/softball, basketball, floor hockey, flag and touch football, soccer, team handball, ultimate Frisbee, and volleyball.

635 PHYSICAL FITNESS

1/2 credit

Components of physical fitness are covered. These components include cardiovascular fitness, muscular strength, muscular endurance, flexibility, body composition, and nutrition. Students then apply the information learned to design and participate in a personalized exercise program that includes progressive conditioning methods. Training exercises include stretching, core training, jogging, weight lifting, and calisthenics. Swimming will be included as one of the fitness activities.

646/647/648/649 ATHLETIC CONDITIONING

1/2 credit

A special junior-senior physical education class for varsity level athletes. Emphasis will be placed upon developing the proper conditioning skills to be an effective varsity athlete.

PREREQUISITE: Approval from the Head Coach.

652 WSI, LIFEGUARDING, STANDARD FIRST AID AND CPR

1/2 credit/DeLaSalle Weight

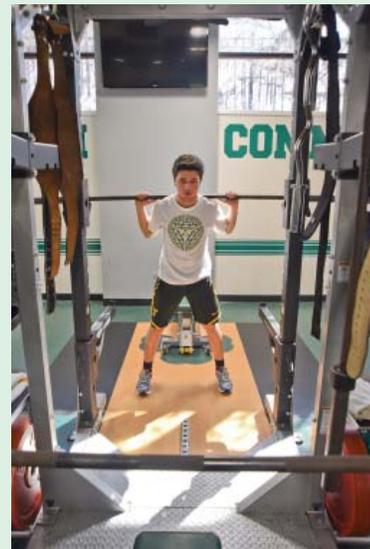
This is a one-semester course that can replace the Junior or Senior Physical Education requirement. Students will be trained as American Red Cross (ARC) water safety instructors. In addition, the students will receive ARC lifeguard, first aid and CPR training. Certification in these areas is a highly marketable skill in a variety of aquatic programs.

PREREQUISITES: A competent swimmer and approval of the instructor.

600 PHYSICAL EDUCATION MEDICAL

No credit

This is a non-credit course required of all students who have a permanent medical excuse from a practicing physician. These students must register for this course so that their transcripts will indicate why they have no Physical Education credit. A medical excuse must be filed in the Director of Curriculum and the International Studies Program's office within one week of the beginning of school. Students are then required to take another one-half credit course in a subject of their choice as a substitute for the Physical Education course.



RELIGIOUS STUDIES

RELIGIOUS STUDIES

The Religious Studies Department challenges the student to acquire an intellectual understanding of Catholic teachings and of his Lasallian heritage and to put this understanding into practice. The student is urged to embrace his faith in a living and loving relationship with God and neighbor. Catholic and non-Catholic students are required to complete the Religious Studies curriculum.

CAMPUS MINISTRY

SERVICE REQUIREMENT

It is through the ministry of Christian service that a student is empowered to reach out to those in society who are in need. This experience helps the student to move beyond himself and into the hearts of the poor and marginalized of society. The foundation for service in the life of the Catholic Christian adolescent is the Spiritual and Corporal Works of Mercy. Freshmen are required to engage in fifteen hours of service. The requirement for sophomore and junior year is twenty hours during each year. Seniors are required to complete a capstone senior service project based upon their previous service experiences.



RETREAT PROGRAM

Students have many opportunities for spiritual growth. One such way is through the Retreat Program. Freshmen and sophomores participate in a one-day, on-campus retreat facilitated by a retreat director, faculty, and peers. Juniors engage in an overnight retreat experience at La Salle Manor in Plano, Illinois. The retreat for senior year is Kairos which is an intense, four day experience in faith that takes place at Saint Benedict's Abbey in Benet Lake, Wisconsin. All retreats have a thematic approach ranging from self-discovery to building up the kingdom of God.

GRADUATION REQUIREMENTS

Four credits in Religious Studies and fifty-five hours of Christian service plus a senior capstone service project are required for graduation.

FRESHMAN

011/012 CATHOLIC FOUNDATIONS

1/2 credit/DeLaSalle weight

The first goal of the Archdiocese of Chicago Religion Curriculum is to "understand, believe, and proclaim the Triune God as revealed in the signs of creation, Sacred Scripture, Catholic Tradition, and human experience." This introductory course seeks to provide the creedal foundations of the Catholic Faith upon which the rest of the curriculum may be built.

017/18 MASS AND SACRAMENTS

1/2 credit/DeLaSalle weight

This course leads the students to a deeper understanding of the liturgy and of the Sacraments which were instituted by Christ and given to us through the Church. Students will explore the foundational concepts basic to an understanding of liturgy and the Sacraments. The Sacraments are first introduced through an exploration of symbols and rituals which is followed by presenting the Sacraments as symbols and encounters with Christ in our lives. The Sacraments will be explored and considered in the following groups: Sacraments of Initiation, Sacraments of Healing, and Sacraments at the Service of Communion. Throughout the course, the importance of the Sacraments as encounters with the Risen Christ and a strengthening of our relationship with Him is emphasized.



SOPHOMORE

028/029 OLD TESTAMENT

1/2 credit/DeLaSalle weight

This course will be taught in the first semester of sophomore year. This course studies the inspired writings of the Old Testament in the context of the covenant between God and His people, drawing to fulfillment in the coming of Jesus. It will survey the historical, literary, cultural, and theological heritages of ancient Israel from its earliest beginnings to the start of the Christian Era. Special attention will be paid to the geographic and historical contexts in which the Jewish Scriptures arose, their social settings, political biases, and theological message.

023/024 NEW TESTAMENT

1/2 credit/DeLaSalle weight

This second semester sophomore course provides an introduction to the New Testament based on the understanding of the Old Testament studied in the previous semester with a focus on a deeper understanding of the Catholic approach to Sacred Scripture. It examines the relationship between the Old and New Testaments as well as the history, Christology, and ecclesiology of the books of the New Testament as the fulfillment of Salvation History in the Person of Jesus Christ.

JUNIOR

034 CHURCH HISTORY

1/2 credit/DeLaSalle weight

This course provides the student a general knowledge of the Church's history from Apostolic times to the present. The student will gain a greater understanding of the founding by Christ, through the Apostles, of His Church and its 2000 year legacy of guiding Jesus' people in prayer and action. We will investigate the Church as it progressed from the time of its early apostolic community and its development as a social institution during the time of the Roman Empire to the growth of the Middle Ages, the turmoil of the Reformation, and to its understanding and mission in the world today.

035 UNDERSTANDING CHRISTIAN MORALITY

1/2 credit/DeLaSalle weight

This course leads the students toward a deeper understanding of the biblical foundations of moral laws summarized in the Ten Commandments and informed by Christ's moral teachings in the Gospels and by the moral teaching of the Church as it applies to what God has revealed to our contemporary moral questions.

039 RELIGIONS OF THE BOOK

1/2 credit/AP/PACC weight

This is a PACC course that will study the three religions, Christianity, Judaism and Islam, that trace their origins back to a common source, the Bible. The class will explore the religions' use of

holy Scripture and how it is expressed in their belief systems and moral teachings. The material is taught at a more advanced level with higher expectations. This course is offered to juniors who meet the prerequisites. Sophomore students will be invited to take this course during junior year based upon their performance in their respective Religious Education classes. Three hours of college credit can be earned through enrollment in Saint Mary's PACC program.

This course can be taken in place of 034 Church History for those students who wish to take a PACC Religious Studies course. If a student attends Catholic university, this credit usually counts for their Theology requirement. If a student attends a public university, this credit usually counts as a comparative religions course for a humanities credit.

PREREQUISITES: Approval of current Religious Education instructor and the Religious Studies Chairperson.

SENIOR

044 CHRISTIAN LIFESTYLES

1/2 credit/DeLaSalle weight

This course is a discussion and consideration of a Christian model of living as communicated through various lifestyles: single, married, priestly, and religious life. The course is designed to assist a student in coming to a deeper appreciation of his sexual and vocational identity. The student is challenged to consider the various vocations which reflect a mature Christian lifestyle.

048 CATHOLIC SOCIAL JUSTICE

1/2 credit/DeLaSalle weight

This course leads the students towards a deeper understanding of the rich tradition of Catholic Social Teaching. The course starts by examining the foundations of Catholic Social Teaching in Scripture and Tradition. The students then explore the tremendous growth in this teaching over the past century as the Church has responded to the rapid and far-reaching changes in society. Later units explore specific social issues, such as the protection of life at its beginning until its natural end, poverty and hunger, war and peace, and economic and environmental justice. During the course, students are called to reflect on Christ's call to live justly and confront sinful social structures. The course has eight important questions or concepts about Christian morality. Each one builds on the knowledge, skills, and understanding of the previous one.

SCIENCE

SCIENCE

In order to contribute its part to scientific education, the Saint Patrick High School Science Department offers its students a varied program of studies. Science courses not only prepare the student for college studies in science but also build skills for non-scientific areas such as pre-law and business. Besides teaching the subject matter of a science, science courses present challenging learning experiences which are designed to improve reading, writing, communication, and analytical thinking skills. Skills learned in science courses increase a student's chances of success in all areas of college study.

Sample Science sequence

	PACC	HONORS	DELASALLE	PHOENIX
FRESHMAN	Biology	Biology	Biology	Biology
SOPHOMORE	Chemistry	Chemistry	Chemistry	Chemistry
JUNIOR	Physics	Physics	Physics	Physics
SENIOR	Human Anatomy and Physiology or AP Physics C	Human Anatomy and Physiology	Elective	Elective

GRADUATION REQUIREMENTS

A minimum of three credits in Laboratory Science is required of all students in order to graduate. All Science Department offerings are laboratory courses.

Science and College Admission

Colleges and universities differ regarding how many courses in science they require for admission. Some require only two years of a laboratory science, while others require or three or more years of science. While a university may require two years of science for admission, a college within that university may require an additional credits of science for admission.

The State of Illinois Board of Higher Education recommends that the best way to prepare for college is to include at least three years of science (Biology, Chemistry, and Physics) in the student's high school program of study.

STEAM GRADUATION ENDORSEMENT

Students who wish to pursue this endorsement must take the core science courses in their freshman (Biology), sophomore (Chemistry), and junior (Physics) years the four STEAM courses (2717, 2728, 2738, 2748) each year. Students must also take at least one half credit course from the STEAM pathways indicated below. For further information, please see the Science Department Chairperson or the Director of Curriculum and the International Studies Program. The pathways may be tailored to students' individual interests and passions within STEAM upon administrative, counseling and science department chair approval.

FRESHMAN

716 PX BIOLOGY

1 credit/Phoenix weight

The essential concepts and theories of biology and scientific methods are learned in this one year laboratory course. Special attention is given to the cell, ecology, evolution, and the human body. Learning is always first accomplished with laboratory activities such as dissection. Since this course is intended for students in a remedial reading program, activities are designed to build and reinforce reading and writing skills. Some units of study use an individualized instructional approach while others employ a mastery learning system.

714 BIOLOGY

1 credit/DeLaSalle weight

In this one year laboratory course, the student gains both theoretical and practical experience with scientific method and becomes proficient in the laboratory skills of biological science. Among the major concepts learned are the three theories of biology: the cell theory, the gene theory, and the theory of evolution. Students learn the principles of ecology and the structural and functional aspects of the human body.

715 H BIOLOGY

1 credit/Honors weight

Honors Biology is designed for the student whose incoming Placement Test scores (as a freshman) indicated a mastery of elementary biological science. This level approaches Biology at an accelerated pace and covers the material described for the Sophomore Honors Biology course.



SOPHOMORE

725 CHEMISTRY PX

1 credit/Phoenix weight

This is a one-year laboratory course for juniors and seniors, stressing the fundamental principles of chemistry. Some topics covered are: the scientific method, physical and chemical changes, mass and weight, forms of energy, the metric system and measurement, the chemistry of gases, elements and compounds, the periodic table and chemical periodicity, and atomic theory, nuclear chemistry, fossil fuels and alternative energy sources. This course is intended for the basic student who likes science but does not intend to be a science major in college. This course may fulfill a college entrance requirement for one credit in a laboratory science, but does not prepare a student to enroll in a college chemistry course. A student who takes this course may not take College Prep or Honors Chemistry or College Biology.

PREREQUISITES: Some basic mathematical skills needed and the approval of current Science instructor.

726 CHEMISTRY

1 credit/DeLaSalle weight

This is a one-year laboratory course for juniors and seniors, stressing the fundamental principles of chemistry. Some topics covered are: the scientific method, phase and chemical changes, mass and weight, forms of energy, the metric system and measurement, the chemistry of gases, elements and compounds, the periodic table and chemical periodicity, the atomic theory, nuclear chemistry, chemical bonding, molecular structures, redox reactions, acid-base chemistry, and the concepts of energy rates and equilibrium in chemical reactions. Successful completion of this course will assist a college-bound student in future science courses in high school and in college whether or not the student majors in science.

PREREQUISITES: A 2.2 or better A.G.P.A., no semester grade lower than a C in Algebra I, no semester grade lower than a C in Biology, concurrent enrollment in mathematics, and approval of current Science instructor.

727 H CHEMISTRY

1 credit/Honors weight

This is a one-year laboratory course designed for the advanced junior or senior who may plan to major in science in college. The content of this course includes all that is presented in College Prep Chemistry plus additional topics. All material is taught at a more advanced level and with higher expectations. Also included in the course are college-level experiments, using special scientific instruments that require a high degree of accuracy by the student both in technique and mathematical background. Special laboratory reports are required by the student. Successful completion of this course will assist the advanced student in future science courses in high school and college especially if the student plans to enter the fields of natural science, medicine, dentistry, or engineering.

PREREQUISITES: A 3.5 or better A.G.P.A., no semester grade lower than a B+ in Algebra I or Biology, concurrent enrollment in an advanced mathematics course, and approval of current Science instructor.

JUNIOR

735 PHYSICS PX

1 credit/Phoenix weight

This is a one-year laboratory course for juniors and seniors in the fundamentals of physics. Some of the topics covered are: the scientific method, measurements, energy, force, motion, work, simple machines, density, electricity, magnetism, heat, temperature, sound, light, and atomic and nuclear physics. This course is intended for the Phoenix student who likes science but does not intend to be a science major in college. This course may fulfill a college entrance requirement for one credit in a laboratory science but does not necessarily prepare a student to enroll in a college physics course.

PREREQUISITE: Placement by current Science instructor.

736 PHYSICS

1 credit/DeLaSalle weight

This is a one-year laboratory course for Juniors and Seniors in the fundamental principles of physics. Some of the topics covered are: the scientific method, measurements, kinematics of motion, dynamics, vectors, force, work, energy, gravity, heat, temperature, electricity, magnetism, sound, light, and atomic and nuclear physics. Successful completion of this course will assist an average student in future science courses in high school and college whether or not the student majors in science.

PREREQUISITES: A 2.2 or better A.G.P.A., and no semester grade lower than a C in Algebra I, Chemistry (if taken), or Algebra II, and approval of current Science instructor.

737 H PHYSICS

1 credit/Honors weight

This is a one-year laboratory course designed for the advanced junior or senior who may plan to major in science in college. The content of this course includes all that is presented in College Prep Physics plus additional topics and problems. All material is taught at a more advanced level and with higher expectations. Successful completion of this course will assist an advanced student in future science courses in college especially if the student plans to enter the fields of natural science, medicine, dentistry, or engineering.

PREREQUISITES: A 3.5 or better A.G.P.A., no semester grade lower than a B+ in Algebra I, Chemistry (if taken) or third year mathematics, concurrent enrollment in Pre-Calculus, and approval of current Science instructor.



SENIOR

744 AP PHYSICS C

1 credit/AP/PACC weight

This is a two semester AP course modeled after the first two semesters of college physics for science and engineering majors. As seniors, students will expand on their physics knowledge from their previous physics class and will integrate introductory calculus into their coursework. Students will design experiments, derive functions, and undertake significant analytical challenges throughout both semesters. This course is very challenging and is highly recommended for students who are interested in pursuing science or engineering in college. The experience gained by students who take this course will provide significant aid and support for their upcoming collegiate workload.

PREREQUISITES: Concurrent enrollment in Calculus and approval of current Science instructor. Students will also be required to take both the AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism exams at the end of the year.

SOPHOMORE, JUNIOR, AND SENIOR

724 ROBOTICS

1 credit/DeLaSalle weight

This course is open to sophomores, juniors, and seniors who are interested in being part of a competitive robotics team based on the FIRST Tech Challenge, an international youth robotics program. Students will be exposed to designing using CAD, writing computer programming language for the functioning of the robots, developing tactics for the team during competitions, constructing field elements to be used during practice sessions, marketing and fundraising for the team, and designing innovative ideas for making the ShamBot robotics teams at SPHS a powerful force in the local FIRST community. Students should be prepared to work in teams as they learn a variety of new skills. A large emphasis will be placed on the communication of technical information through presentations, notebooks, and reports. Students will be required to participate in a minimum number of after-school team design and practice meetings as well as any competitions during the season.

PREREQUISITES: Approval of the Robotics instructor.

728 FORENSIC SCIENCE

1 credit/DeLaSalle weight

Forensic Science is a course that uses a structured and scientific approach to the investigation of the crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood splatter analysis. This course is open to students of all learning levels.

PREREQUISITES: Approval of the Forensic Science instructor.

JUNIOR AND SENIOR

734 ROBOTICS II H

1 credit/Honors weight

This course is open to juniors and seniors who are interested in furthering their participation in a competitive robotics team based on the FIRST Tech Challenge, and international youth robotics program. Students will be responsible for further developing their skills from Robotics I in addition to taking on additional leadership and technical roles as part of the ShamBot robotics teams. Robotics II students should expect to lead teams of fellow students in a variety of capacities, develop workshops for Saint Patrick students as well as robotics teams outside of Saint Patrick, engage in a variety of independent study topics related to robotics, further the mission and image of Saint Patrick Robotics, and grow as a gracious professional. A large emphasis will be placed on the communication of technical information through presentations, notebooks, reflections, scholarship applications, and reports. Students will be required to participate in a minimum number of after-school team design and practice meetings as well as any competitions during the season.

PREREQUISITES: B or better average in Robotics I and the approval of the Robotics instructor.



756 ENVIRONMENTAL SCIENCE

1/2 credit/DeLaSalle weight

Environmental Science combines both earth and life science concepts to teach students methodologies and principles that help them understand the interrelationships of the natural world and to identify natural and human-made environmental challenges. Students will seek to examine the risks associated with these environmental challenges and devise solutions for resolving or preventing them. Environmental science will be inquiry driven and interdisciplinary, investigating topics such as: global water resources, energy flow, ecosystem diversity, human energy use, and human impact in the broader environment.

PREREQUISITE: Approval of the current Science instructor.

757 SPACE SCIENCE

1/2 credit/DeLaSalle weight

This course delves into our solar system's and the sun's effects on Earth. Looking beyond our solar system, the course will study the life cycle of stars and astronomy in general. The course will conclude with an inquiry into quantum mechanics and the conflict between the two major physics lines of thought conflicted in a black hole and explained with string theory. Graphical analysis continues to fuel the inquiry-based approach to learning.

PREREQUISITE: Approval of the current Science instructor.

755 HUMAN ANATOMY AND PHYSIOLOGY

1 credit/AP/PACC weight

This is a college-level course in human anatomy and physiology. It is divided between theory and practical application through extensive laboratory work. In lectures, the human body is studied using a systemic approach. During the course of the year, students improve their proficiency in dissections and pro-sections, progressing from fetal pigs to cats. Microscope studies in cytology and histology are also done. This course will prepare students for careers in medical or health-related professions as well as other scientific fields. Special emphasis is placed on the acquisition of efficacious learning techniques and habits appropriate for college. Elements of bio-ethics and sports medicine will be included. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: Approval of the current Science instructor. If a student enrolls as a junior, he must be concurrently enrolled in Physics if he has not already taken the subject.

758 AERODYNAMICS

1 credit/AP/PACC weight

This course is being taught by a Lewis University professor and will fulfill the requirements to earn three hours of credit in taking their AVRT-34200 Aerodynamics course. This course is designed to prepare students with the foundational and fundamental knowledge sets pertaining to aerodynamics. This course is being taught by a pilot and will improve student understanding of aerodynamic laws and principles such as lift, drag, thrust, performance, stability and control, and high speed flight. This course will equip students with a better understanding of fundamental aerodynamic principles which will further their knowledge in the flight environment. This class is also experimental in nature and different approaches and teaching methods will be used. Students may have the opportunity to visit aviation-related companies at or near O'Hare as part of their

coursework. Four hours of college credit can be earned through enrollment in Lewis University's dual credit program.

PREREQUISITES: Successful completion or concurrent enrollment in Algebra II and approval of the Director of Curriculum.

SENIOR

744 AP PHYSICS C

1 credit/AP/PACC weight

This is a two semester AP course modeled after first two semesters of college physics for science and engineering majors. Taken as seniors, students will expand on their physics knowledge from their previous physics class, and will integrate introductory calculus into their coursework. Students will design experiments, derive functions, and undertake significant analytical challenges throughout both semesters. This course is very difficult and is highly recommended for students looking to pursue science or engineering in college. The experience gained by students who take this course will provide significant aid and support for their upcoming collegiate coursework. The standards used throughout this course align with those of The College Board.

PREREQUISITES: B or better in 737 H Physics, concurrent enrollment in 544 AP Calculus, approval of the AP Physics instructor, and requirement to take the AP Physics C exam at the conclusion of the year.

STEAM ENDORSEMENT COURSE SEQUENCE AND PATHWAYS

These courses, along with the required core courses of Biology, Chemistry, and Physics, and the additional minimum 0.5 credit course from the pathways indicated below will fulfill the requirements for a student to earn a STEAM endorsement on his transcript.

2717 STEAM I INTRODUCTION TO STEAM

0.5 credit/DeLaSalle weight

Students will work in groups to complete a series of build challenges. In class, they will be tasked with group work, guided research, product design, and basic engineering principles. Developed skills include teamwork, critical thinking, independent research, and introductory 3D CAD through SolidWorks.

PREREQUISITE: This course is taken during the summer before freshman year or between freshman and sophomore years.

2728 STEAM II CASE STUDY

0.5 credit/DeLaSalle weight

Students investigate one central problem for four weeks and design a solution using the model of a case study approach. The central problem will change from year to year. Students research the science necessary to understand the problem and the tools required to form a solution.

PREREQUISITE: Completion of 2717 STEAM I. This course is taken during the summer between freshman and sophomore years or between sophomore and junior years.

2738 STEAM III FIELD EXPERIENCE (FE)

0.5 credit/Honors weight

Students are matched with a company in a related field of interest and gain hands-on professional experience. Students also meet with their STEAM Instructor before, during, and after the full field experience to assess and review objectives and complete a reflection project. Credit is based on the field experience with the company and final reflection project with the STEAM instructor.

PREREQUISITE: Completion of 2728 STEAM II. This course is taken during the summer between sophomore and junior years.

2748 STEAM IV CAPSTONE EXPERIENCE

0.5 credit/Honors weight

Students conduct a scientific inquiry on a novel problem that they are passionate about solving. Equipped with their background skills from the previous STEAM classes, students conduct a scientific inquiry; develop, test, and refine potential solutions; and ultimately defend their final solution in a presentation.

PREREQUISITE: Completion of 2738 STEAM III. This course is taken during senior year.

DESIGN PATHWAY	ENGINEERING PATHWAY
Graphic Design I, II, III, IV	Robotics I and II
Digital Photography	Computer Science I and Lewis Computer Science
Technical Theatre	Earth and Space Science
Webpage Design	Environmental Science
Drawing I and II	Statistics

Painting I and II	Anatomy and Physiology
Studio Art	AP Physics C
Computer Graphics I and II	Forensic Science
Digital Music I and II	Aerodynamics
INCubator II and II	INCubator I and Ii

SOCIAL STUDIES

SOCIAL STUDIES

The Social Studies Department objectives are:

1. To convey to the student an understanding of man's role in society in its cultural, historical, political, psychological, geographical, sociological and economical dimensions;
2. To stimulate (by teaching and example) an adherence to Christian values which convey to the student the balance and judgment necessary for human interaction;
3. To foster the development of clear writing, critical thinking and analytical reading skills in students, in order that they might discover causative relationships;
4. To promote in the student a sense of social justice and to develop in him a sense of his responsibilities as a citizen of a democratic society.

Sample Social Studies sequence

	PACC	HONORS	DELASALLE	PHOENIX
FRESHMAN	H World History	H World History	World History	World History
SOPHOMORE	PACC US History to 1865	H US History to 1865	US History to 1865	US History to 1865
JUNIOR	PACC US History post 1865	H US History post 1865	US History post 1865	US History post 1865
SENIOR	PACC American Government/ Civics and AP Economics	H American Government/ Civics and H Economics	American Government/ Civics and Economics	American Government/ Civics and Economics



GRADUATION REQUIREMENTS

Three and a half credits in social studies are required for graduation with one credit in World Studies, one and a half credits in American History, one half credit in American Government/ Civics, including the Constitution exam, and one half credit in Economics.

FRESHMAN

811 WORLD STUDIES PX

1 credit/Phoenix weight

The purpose of this course is to enable the student to better understand the complexities of world issues and problems. The course will emphasize world geography. After studying basic concepts of physical geography, an examination of several world regions will ensue. The assignments given develop reading and writing skills.

812 WORLD STUDIES

1 credit/DeLaSalle weight

The purpose of this course is to enable the student to better understand the complexities of world issues and problems. The course will investigate the history and culture of particular regions and their positions and problems in today's world. Although attention will be given to other important areas, most time will be spent on Western Europe.

813 H WORLD STUDIES

1 credit/Honors weight

This course is designed to enable the student to better understand the complexities of global issues through an understanding of the past. The course investigates Western and non-Western historical development and includes an emphasis on geography skills and written expression. This course is tailored for the above-average student. Primary source reading and writing assignments will be aimed at developing analytical reading and critical thinking skills.

SOPHOMORE

821 UNITED STATES HISTORY PX

1/2 credit/Phoenix weight

This course covers the same material as U.S. History 822 with special adjustments made for the interests and ability levels of the class. Assignments given develop reading and writing skills.

822 UNITED STATES HISTORY

1/2 credit/DeLaSalle weight

This is a one semester course that will acquaint the student with the important events of our history as a nation and will help him gain deeper insight into the people, movements, and ideas which have fashioned us as a free people. Topics of special interest include: Colonial and Revolutionary America, formation of the new nation, the Federalist, Republican, and Jacksonian periods, sectional struggle and Manifest Destiny, the Civil War and Reconstruction. Classroom work will be supplemented by additional readings and papers selected by the instructor.

823 H UNITED STATES HISTORY

1/2 credit/Honors weight

United States History Honors is a one semester survey of American history from the age of exploration and discovery to Reconstruction. Emphasis is placed on critical and evaluative thinking skills, essay-writing, interpretation of primary sources, and comparative analysis of varying approaches to American history. Throughout our exploration of American history, we will discuss themes that apply to the present day as a framework for developing the critical thinking skills necessary for informed citizenship.

PREREQUISITES: A minimum 3.5 A.G.P.A. and the approval of the Honors US History instructor.

824 AP/PACC UNITED STATES HISTORY

1/2 credit/AP/PACC weight

Advanced Placement/PACC United States History is a one semester survey of American history from the age of exploration and discovery to Reconstruction. Emphasis is placed on critical and evaluative thinking skills, essay-writing, interpretation of primary sources, and comparative analysis of varying approaches to American history. The students will explore historiography - the process by which historians do their work - and will approach all materials presented through the lens of the historian. Using these skills and materials, students will be able to learn to assess historical works and weigh the evidence and interpretations presented in historical scholarship. Throughout our exploration of American history, we will seek those themes that apply to the present day as a framework for developing the critical thinking skills necessary for informed citizenship. Students enrolled in 824 AP/PACC United States History can earn three hours of college credit by enrolling in St. Mary's PACC Program.

PREREQUISITES: A minimum 3.5 A.G.P.A. and the approval of the AP/PACC instructor.

JUNIOR

831 UNITED STATES HISTORY PX

1 credit/Phoenix weight)

This course covers the same material as U.S. History 832 with special adjustments made for the interests and ability levels of the class. Assignments given develop reading and writing skills.

832 UNITED STATES HISTORY

1 credit/DeLaSalle weight)

This is a full-year course that will acquaint the student with the important events of our history as a nation and will help him gain deeper insight into the people, movements, and ideas which have fashioned us as a free people. Topics of special interest include: westward movement, industrial growth, emergence of the U.S. in world politics, World War I, the Depression and the New Deal, World War II, the Cold War, and history to present. Classroom work will be supplemented by additional readings and papers selected by the instructor.

833 H UNITED STATES HISTORY

1 credit/Honors weight

United States History Honors is a two-semester survey of American history from the age of exploration and discovery to the present. Emphasis is placed on critical and evaluative thinking skills, essay-writing, interpretation of primary sources, and comparative analysis of varying approaches to American history. Throughout our exploration of American history, we will discuss themes that apply to the present day as a framework for developing the critical thinking skills necessary for informed citizenship.

PREREQUISITES: A minimum 3.5 A.G.P.A. and the approval of the H US History instructor.

834 AP/PACC UNITED STATES HISTORY

1 credit/AP/PACC weight

Advanced Placement/PACC United States History is a two-semester survey of American history from the post-Reconstruction to the present. Emphasis is placed on critical and evaluative thinking skills, essay-writing, interpretation of primary sources, and comparative analysis of varying approaches to American history. The students will explore historiography - the process by which historians do their work - and will approach all materials presented through the lens of the historian. Using these skills and materials, students will be able to learn to assess historical works and weigh the evidence and interpretations presented in historical scholarship. Throughout our

exploration of American history, we will seek those themes that apply to the present day as a framework for developing the critical thinking skills necessary for informed citizenship. Students enrolled in 834 AP/PACC United States History can earn three hours of college credit by enrolling in St. Mary's PACC Program.

PREREQUISITES: A minimum 3.5 A.G.P.A. and the approval of the AP/PACC instructor.

SENIOR

141 ESSENTIALS OF ECONOMICS PX

1/2 credit/Phoenix weight

Students will cover topics from buying technology products; doing income taxes, consumer protection rights, responsibilities, and resolutions; banking services; credit and debit cards; transportation; housing; and other important economic choices people must make every day of their lives.

142 ESSENTIALS OF ECONOMICS

1/2 credit/DeLaSalle weight

Economics shows students how to think in a new way. They will explore topics of scarcity, price and quantity determinations, monetary and fiscal policy, role of money, and the role of competition. Also, globalization and how it affects all people young and old in our economy today. Real World examples–NFL draft, rock concert ticket prices, new technology, are charted and graphed to teach the student solid economic principles.

143 H ESSENTIALS OF ECONOMICS

1/2 credit/Honors weight

This course focuses on and analyzes the impact of micro- and macro- economics on the world of today and tomorrow. Emphasized will be the interrelationships of a variety of economic principles as they combine to affect the way man lives. Included among other such principles are: the economic cycle - inflation through recession, the role of competition in the market place, the function of money, the employment/unemployment of our labor force, the economic policies of capitalism, socialism and communism, price determination, the law of supply and demand, the American banking system, the extension and restriction of credit, the role of the Federal Reserve System, and the impact of government regulation on the free enterprise system of economics.

PREREQUISITES: A minimum G.P.A. of 3.5 and approval of the Department Chairperson.

144 AP ESSENTIALS OF ECONOMICS

1/2 credit/AP/PACC weight

This course will cover both disciplines of economics: micro and macro. Elements of microeconomics will include supply and demand, equilibrium, and the laws and theorems that form the basis of study for the field of economics. Elements of macroeconomics covered in this course will be markets, international trade, GDP, wages, income, unemployment, taxes and regulations. All of this will be in preparation for the Advanced Placement exam in Macroeconomics, offered in the spring of the academic year.

PREREQUISITES: A minimum G.P.A. of 3.5 and approval of the Department Chairperson.

Students will be required to take the AP Macroeconomics exam at the conclusion of the year.

841 AMERICAN GOVERNMENT/CIVICS PX

1/2 credit/Phoenix weight

This course covers the same concepts as the American Government/Civics 842 course with adjustments made for the special interests and ability levels of the class. Assignments given develop reading and writing skills. Students must pass an exam on the United States Constitution as well as on the Constitution of the State of Illinois.

842 AMERICAN GOVERNMENT/CIVICS

1/2 credit/DeLaSalle weight

This course is designed to prepare students for responsible participation in a democracy. Topics covered include the legislative, executive, and judicial branches of the federal government through a study of the U.S. Constitution and extra-legal developments such as judicial review and the political party system. Students must pass an exam on the United States Constitution as well as on the Constitution of the State of Illinois.

843 H AMERICAN GOVERNMENT/CIVICS

1/2 credit/Honors weight

This course is intended for the above-average student. Like the American Government 842 course, the framework of the federal government will be studied in the context of the United States Constitution. The legal development and protection of civil rights and individual liberties will also be studied through the Bill of Rights and selected Supreme Court cases. Wherever applicable, special attention will be given to compare the American political system with other systems of government today. Students must pass an exam on the United States Constitution as well as on the Constitution of the State of Illinois.

PREREQUISITE: A minimum 3.5 A.G.P.A.

844 AP AMERICAN GOVERNMENT/CIVICS

1/2 credit/AP/PACC weight

As a college-level course, the students will approach American national government through a critical thinking perspective that fosters independent thought, analysis and expression. A range of



sources will be employed, with particular emphasis on the conflicting ideologies and assumptions of the authors. Through readings, discussions and written assignments, our goal will be the development of personal perspectives on the American political process – and its effects on society – that reflect an understanding of the biases inherent in all political expression. Because any enlightened understanding of current events requires a similarly enlightened analysis of the historical events that caused them, we will be revisiting American history from the same critical approach. There is an enormous disconnect between historical scholarship – what historians know – and what appears in high school history (and government) textbooks. We will explore that disconnect, and employ it as a vital cog in our understanding of American government. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITES: A minimum 3.5 A.G.P.A. and the approval of the Social Studies Chairperson.

JUNIOR AND SENIOR

852 HISTORY OF CHICAGO

1/2 credit/DeLaSalle weight

Beginning with a study of Chicago's strategic geographic setting, this course will trace the remarkable growth of the city from the days of frontier settlement to today's metropolitan center. Key events and patterns in the city's history (the Fort Dearborn Massacre, the Chicago fire, the Columbian Exposition, immigrant trends, Chicago neighborhoods, and the political machine) will be emphasized. Finally, attention will be given to the present status of Chicago as a political, cultural, and economic center. Each student will be made aware of the uniqueness of Chicago's place in history. A research paper and field trip on the student's own time will be required.

862 SOCIOLOGY

1/2 credit/DeLaSalle weight

The course will cover such topics as crime, the family, group interaction, culture, socialization, social research, stratification, and social/political movements. The course is important to the student because it enhances his awareness of relationships in the society in which he lives. He will understand how the topics covered relate to his situation.

SENIOR

872 PSYCHOLOGY

1/2 credit/DeLaSalle weight

Psychology is the study of the human experience. The topics that will be covered in this course are: motivation, consciousness, learning theory, bias, heuristics, basic brain structure and functioning, psychopathology, personality theory, and the different approaches used to study, understand, and address problems that arise throughout the development of the human lifespan. Students will learn how to think critically about the foundational theories, how to make sense of psychological research, and how to apply psychotherapeutic concepts to their own experience.

874 PACC PSYCHOLOGY

1/2 credit/AP/PACC weight

PACC Psychology provides an overview of the methods, fundamental principles, and major perspectives which define the discipline of psychology. Topics include: intrapersonal and/or interpersonal psychological processes involved in the biological basis of behavior, sleeping and dreaming, conditioning and learning, cognition, lifespan human development, abnormal psychology, and psychological treatment. Classical and contemporary research and perspectives including the biological, cognitive, behavioral, psychodynamic, humanistic, sociocultural, and evolutionary perspectives are explored. Students are actively involved through application, interactive exercises, simulations, and projects. Three hours of college credit can be earned through enrollment in St. Mary's PACC Program.

PREREQUISITE: Approval of the PACC Psychology teacher.

ALL STUDENTS

892 MODEL UN

1/2 credit/DeLaSalle weight

This course is designed to provide an orientation to the activities of the United Nations, as well as providing an understanding of the modalities of international diplomacy. This course will include current events, pressing international issues, the basics of international law and some of the protocol and procedures of diplomacy. All of this will assist students in preparing for their role as delegates at the several Model United Nations conferences.

PREREQUISITES: Students must maintain a minimum A.G.P.A. of 3.0. Freshman must be enrolled in College Prep/De La Salle or Honors Academy level courses and maintain a "B" average throughout the year. This course will meet before or after school to prepare for the conferences. Please note: Due to the nature of the conferences the students will be attending, families will need to pay a \$250.00 course fee prior to the end of the current school for participation in this course.

WORLD LANGUAGE

The primary objective of the World Language Department is to provide an opportunity for students to become actively involved in learning a language. This is accomplished not only in the ordinary language classroom activities but also by the use of other suitable means such as language newspapers, magazines, word games for vocabulary building, and through an emphasis on the cultural aspects of the heritage of the peoples whose languages are being studied.

The World Language Department offers a four-year sequence in French, Mandarin and Spanish. Placement into language classes is dependent upon the results of the incoming Placement Test (as a freshman) and upon the individual's preference for a particular language as long as there are available seats. Continued study in the second year requires a minimum of a C in each semester. Students who do not satisfy this requirement are encouraged to pursue one of the other languages.

All students are strongly encouraged to enroll in the same language for at least two years. Furthermore, those students who plan to continue their education in a college or university should seriously consider enrolling in a single language for four years since many institutions of higher learning now accept this four-year study at the high school level as satisfying their own language graduation requirements. In general, the more competitive the college or university, the more advantageous is language study. Students are urged to consult the college catalog of their choice well in advance of matriculation at the college.

The DeLaSalle as well as the Honors language courses will prepare students to enroll in the Honors third- and fourth year foreign language courses. Students who speak Spanish already are encouraged to sign up for either French or Mandarin Chinese.

GRADUATION REQUIREMENTS

Students are required to take two years of the same world language. Students who take Language Arts I and II are exempt from this requirement, but they may be invited to take a world language during their academic studies.

FRESHMAN

412 SPANISH I , 414 FRENCH I , 418 MANDARIN I

1 credit/DeLaSalle weight

The first year of study of each language deals with the structures of that language and is intended to give the student the basic skills necessary for the use of the language.

Students considering enrolling in the second year of the language must earn a minimum grade of "C" in both semesters of the first year coursework.



Listening: Classroom interactions and the presentation and drilling of materials are done in the target language. The student also has the opportunity to listen to native speakers via world language multimedia recordings.

Speaking: After learning pronunciation and intonation, the student is given practice in various ways: oral responses, oral reading, controlled dialogs based on everyday elementary responses, and controlled communicative activities.

Reading: Readings at this level are appropriate to the abilities of the students. These readings deal with the cultural situations common to the various countries in which the target language is spoken.

Writing: Students are expected to be able to write correctly whatever they can say or hear in the target language. This is done through classroom dictation exercises and written assignments.

Cultural Awareness: Since culture is an integral part of the study of any world language, appropriate units dealing with culture are introduced throughout the year.

SOPHOMORE

422 SPANISH II , 424 FRENCH II , 428 MANDARIN II

1 credit/DeLaSalle weight

423 H SPANISH II , 425 H FRENCH II , 429 H MANDARIN II

1 credit/Honors weight

The second level of each course is a continuation of the development of the four basic skills (listening, speaking, reading, writing). More emphasis is placed on speaking through participation in role-playing activities, interviews and skits. Readings (in addition to those included in the texts) are assigned to the students. The culture of the countries in which the target language is spoken is considered more carefully and in more detail through the use of outside assignments

and appropriate audio-visual materials. The second year entails a more intensive study of grammar, culture and reinforcing new vocabulary.

PREREQUISITES: Successful completion (B+ average for Honors, C average for College Prep) of the first year course and approval of the current instructor.

JUNIOR

433 H SPANISH III , 435 H FRENCH III , 439 H MANDARIN III

1 credit/Honors weight

The third level of each of the target languages includes a refinement of the basic skills learned in the first two years. Maximum use of the target language and participation in oral proficiency exercises help the students to internalize the vocabulary and grammar studied so far. Writing proficiency is encouraged through formal writing assignments. Readings at this level are longer and deal specifically with the historical, artistic, and cultural development of the target countries.

PREREQUISITES: Successful completion (B+ average), of the second-year foreign language course, an A.G.P.A. of 3.5, and approval of the current instructor.

SENIOR

443 H SPANISH IV, 445 H FRENCH IV, 449 H MANDARIN IV

1 credit/Honors weight

The fourth level of each of the target languages continues on the road to proficiency in speaking, understanding, reading, and writing. Grammar is intensified and perfected. Readings are based on works by native authors. Written assignments are given to encourage the student to express himself in a more formal manner. Oral proficiency activities are continued and the student is expected to engage in extended discourse. Cultural units are presented covering every phase (geographic, historic, artistic, and literary) of the countries where the target language is spoken.

PREREQUISITES: Successful completion (B+ average) of the third year course, an G.P.A. of 3.5, and approval of the current instructor.

INCOMING FRESHMAN SUMMER PROGRAM

INCOMING FRESHMAN
SUMMER PROGRAM

2998 SUMMER PHOENIX PROGRAM

1/2 credit/Phoenix weight

Students who have been conditionally placed in the Phoenix Program (through placement exam scores, elementary school records and teacher recommendations) are required to attend a five week, two and one half hour program to determine final acceptance. The class will address specific skills in reading, mathematics and study skills. Additional assessments in reading and an in-depth personal interview, along with attitude, effort, and attendance will all be factors in determining if the Saint Patrick High School Phoenix Program addresses each student's particular needs. Recommendations from the summer school staff may include participation in our Resource Class during the regular school year or reassignment into one or more of our College Preparatory classes.

2999 FRESHMAN SUMMER ORIENTATION PROGRAM

No credit

This is a one-week class offered during the summer prior to a student's freshman year. The purpose of this class is two-fold: first, to give the student the chance to become familiar with Saint Patrick High School, and second, to review important study skills necessary for high school. Familiarity with Saint Patrick High School is achieved through lessons about the life of Saint John Baptist de La Salle, the history of Saint Patrick High School, the various organizations and athletic teams available, as well as use of the computer and library facilities, and through a conversation with the Deans regarding school policies. Study skills topics include techniques related to organization of time and materials, an overview of the curriculum and the grading system, and note- and test-taking skills. The students are given numerous opportunities to meet with many faculty members as well as current Shamrocks so that they can ask questions.

STUDENT SUPPORT PROGRAM

STUDENT SUPPORT PROGRAM

7 RESOURCE

No credit

Resource is designed to help selected students with their academic coursework through a daily guided study hall. Resource is staffed by at least two faculty members, a professional provided by federal funding and junior and senior tutors. These individual work with those in resource in such

areas as reading, writing, and mathematics, as well as other academic disciplines. Other study skills such as organization, time management, note and test taking, are developed through this class. The goal is to enable a student to be a self-sufficient learner.

8 TITLE

No credit

Eligible students may also participate in the Title I program, a federally funded program to support student improvement in English/Reading and Mathematics. Students are eligible for Title I based upon their standardized test scores or academic performance.

DUAL CREDIT PROGRAM

DUAL CREDIT PROGRAM

When students apply to college with dual credit, universities wish to know which courses the students have taken.

Below are the names, course numbers, and credit hours of the **Saint Mary's University** courses that are offered for dual credit.

B200/201 Human Biology/Lab - 3 hours

Saint Patrick Course: 755 Human Anatomy and Physiology

E195 Topics in American Literature - 3 hours

Saint Patrick Course: 234 PACC American Literature

E200 Topics in American Literature - 3 hours

Saint Patrick Course: 244 Advanced Placement/PACC English

M151 Calculus I - 4 hours

Saint Patrick Course: 544 Advanced Placement Calculus

M152 Calculus II - 4 hours

Saint Patrick Course: 545 PACC Calculus II

ST132 Statistics - 3 hours

Saint Patrick Course: 553 H Probability and Statistics

PS102 American National Government - 3 hours

Saint Patrick Course: 834 AP/PACC American Government/Civics

H113 U.S. History to 1865 - 3 hours

Saint Patrick Course: 824 PACC US History

H114 U.S. History since 1865 - 3 hours

Saint Patrick Course: 834 PACC US History

TH114 Religions of the Book - 3 hours

Saint Patrick Course: 39 Religions of the Book

TA160 Theatre Appreciation - 3 hours

Saint Patrick Course: 355 Theatre Appreciation

COM101 Public Speaking - 3 hours

Saint Patrick Course: 356 Public Speaking

PY111 General Psychology - 3 hours

Saint Patrick Course: 374 PACC Psychology

Below are the names, course numbers, and credit hours of the **Lewis University** courses that are offered for dual credit.

CPSC 2000 Introduction to Computer Science - 3 hours

Saint Patrick Course: 539 Lewis University Computer Science

AVRT 34200 Aerodynamics - 3 hours

Saint Patrick Course: 758 Aerodynamics

In an effort to offer personalized learning opportunities, Saint Patrick High School will offer ten online courses for next year. None of these courses are part of our daily curriculum offerings and are being offered in an effort to provide for a student's individual interests.

The program is offered through the Archdiocese of Chicago, but is administered by Keystone, a division of K12, Inc. It combines flexibility with academic rigor and individualized attention to offer courses accredited by AdvancEd.

Registration for online courses will be August 15 to September 1 if a student wishes to take the coursework during the regular school year.

Students also have the option of taking coursework during the summer of 2019. A student can complete a half credit course during the summer or he can begin a full year course during the summer and continue it during the regular school year. If he wishes to begin the course in the summer, the registration deadline is June 11.

Keystone offers the following support features:

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

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

These ten courses are the only courses available to our grades 10, 11, and 12 students for the 2018-2019 school year; this means these are the only courses that will be displayed on the transcript.

Students must be approved by the Director of Curriculum and the International Studies Program to enroll in the class; parents are responsible for the additional cost of the class paid directly to the Keystone Company.

The course(s) that is (are) taken will not count toward graduation credits nor receive credit from Saint Patrick High School; enrollment in the course(s) will be noted on the transcript and identified with a Pass/Fail. All courses must be completed by April 30 in order to have it appear on the transcript.

The student must submit a report card to the Director of Curriculum and the International Studies Program indicating the grade(s) he received. This report card needs to be submitted by May 24, 2019 for the course to appear on the student's transcript for the 2019-2020 academic year. Please note that it is the student's responsibility to submit this; Saint Patrick High School will not track down report cards for students who do not submit them.

AP Exams will be administered in May at an additional cost to students; students who do not take the AP test will not have the class listed on their transcript.

Students would still be required to enroll in 7.5 credits of coursework during the school year. Any classes taken in conjunction with Keystone and the Virtual Academy will be above and beyond the regular classload.

Students must be able to complete their work independently; no help will be provided by teachers at Saint Patrick High School.

COURSE OFFERINGS FOR THE 2019–2020 SCHOOL YEAR

The courses that will be offered can belong to one of two categories:

1. Courses that prepare the student to take the AP test at the end of the year for the potential to earn college credit depending on the results of the AP test;
2. Courses that provide enrichment opportunities for students to learn subject matter that is not currently offered during the regular school year.

AP COURSES

AP ART HISTORY

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

Full Year (1Credit) \$499.00

This book comes with a textbook so there will be an additional \$20.00 charge for the shipping cost.

AP ENVIRONMENTAL SCIENCE

AP Environmental Science is a yearlong examination of the interrelationships of the natural world. Students identify and analyze environmental problems and their effects, and evaluate the effectiveness of proposed solutions. Students learn to think like environmental scientists: making predictions based on observations, writing hypothesis, designing and completing field studies and experiments, and reaching conclusions based on the analysis of data derived from these experiments.

Full Year (1 Credit) \$499.00

This book comes with a textbook so there will be an additional \$20.00 charge for the shipping cost.

AP EUROPEAN HISTORY

This course is a study of the social, economic, cultural, intellectual, political, and diplomatic history of Modern Europe and its place in the history of the world. This course covers events from the fall of Constantinople to the fall of the Berlin Wall and the Soviet Union. The course will be taught at a level and rigor equivalent to that required of students in a college freshman or sophomore Modern European History course.

Full Year (1 Credit) \$499.00

This book comes with a textbook so there will be an additional \$20.00 charge for the shipping cost.

AP WORLD HISTORY

AP World History covers the history of the world from 600 AD to the present with an introduction unit on the period before (covering around 8000 BC to 600 AD). The course emphasizes “patterns of change” and the connections between the various world cultures throughout the time period being studied. Students will gain an understanding of the global experiences of humanity and be able to apply that knowledge to their growth and development as “world citizens”. The class has two major goals: (1) to prepare students to be successful on the AP World History exam and (2) to provide students with an understanding on why the world developed the way it did.

Full Year (1 Credit) \$499.00

This book comes with a textbook so there will be an additional \$20.00 charge for the shipping cost.

ENRICHMENT COURSES

DIGITAL VIDEO PRODUCTION

This course introduces students to all aspects of digital video, from story-boarding scenes and creating shot lists to editing a finished, professional-quality product. Throughout this project-based course, students will demonstrate mastery of the key learning objectives by recording, capturing and editing their own videos. This is a hands-on course that provides a solid foundation for further study in this exciting field.

Half Credit (0.5 Credit) \$319.00

GAME DESIGN

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

Half Credit \$319.00

HOW TO REGISTER FOR COURSES THROUGH THE VIRTUAL ACADEMY

1. The student will meet with the Director of Curriculum and the International Studies Program to discuss enrolling in an online course, take the permission form home for a parent signature.
2. Return the permission form to the Director of Curriculum and the International Studies Program for approval.
3. Once the student receives the approval, the parent goes to the website listed below to register and pay for the class at <http://virtualacademy.archchicago.org/explore.cfm/admissions/howtoenroll/?s=1002174>.
4. The student returns a copy of the enrollment form to the Director of Curriculum and the International Studies Program.
5. At the conclusion of the course, the student must submit a report card to the Director of Curriculum and the International Studies Program indicating the grade(s) he received. This report card needs to be submitted by May 22, 2020 for the course to appear on the student's transcript for the 2019-2020 academic year. Please note that it is the student's responsibility to submit this; Saint Patrick High School will not track down report cards for students who do not submit them.