



IMMACULATA
HIGH SCHOOL
FAITH + SCHOLARSHIP + SERVICE + FRIENDSHIP



Program of Studies

Class of 2028

240 Mountain Avenue
Somerville, NJ 08876
(908)722-0200

www.immaculatahighschool.org

ADMINISTRATION & DIRECTORS

Director
Principal
Vice Principal for Academic Affairs
Vice Principal for Campus Affairs

Msgr. Joseph Celano
Mr. Edward Webber '99
Mrs. Kristin Boczany
Mrs. Sonia Gasko '06

Dean of Students & Coordinator of Student
Activities and Transportation
Director of Admissions
Director of Advancement
Director of Athletics
Director of Campus Ministry
Director of Catholic Identity, Chaplain
Director of Facilities
Director of Instructional Technology
Director of Performing Arts
Director of School Counseling
Director of Special Services
Director of School Safety and Security
Director of School Technology
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Mrs. Michele Blandino
Mr. Richard Rau '89
Mr. Thomas J. Gambino
Mrs. Colleen Paras '99
Fr. Joseph Illes
Mr. Jake Morio
Mr. Michael Giangreco '06
Mr. Michael Gasko IV '06
Mrs. Linda Tully
Mrs. Christine Kretz
Mr. Rick Proctor
Mr. John Lagola
Mr. Robert Condo

ACADEMIC DEPARTMENT CHAIRS

Theology Department
English Department
Mathematics Department
Social Studies Department
Science Department
World Language Department
Business/Computer Science Department
Visual Art Department
Performing Arts Department
Physical Education Department

Mrs. Christy Vaissade
Mrs. Irene Eckert
Mrs. Rachel Schneider
Mr. Joseph Servedio
Mrs. Michele Kowalski
Mrs. Fabiana Maia-Davis
Mrs. Rachel Schneider
Mrs. Deirdre Rosinski
Mr. Michael Gasko IV '06
Ms. Nicole Palazzi '00

COURSE SELECTION PROCEDURE

Students are placed in courses based on entrance test scores, previous grades, department recommendations, and other relevant criteria. For incoming freshmen and transfers, course selection will take place through the admissions process. For current students, course selection will be completed online through PowerSchool during the second semester. **Students with outstanding financial obligations may not be permitted to select courses.** Student schedules are available at the end of August through PowerSchool provided all financial and documentation obligations are complete.

STEPS IN COURSE SELECTION

1. **Students should seek honest advice** from their parents, teachers, counselors and others who know them. Students should challenge themselves by taking a rigorous course load based on their ability and personal goals.
2. **Students receive course recommendations from their teachers** for classes that will be taken during the following year. These recommendations will be based on student performance and motivation. Students should have an honest dialogue with their teachers about time commitment, pace, rigor, and prerequisites for classes of interest.
3. **Course selection** will take place during the spring semester. Courses that the student was recommended for will be made available through PowerSchool. The student will then choose their preferred classes for next school year.
4. **Official list of classes the student will be enrolled in** will be sent over the summer to review and order books for the upcoming school year.
5. **Official class schedule** will be sent to students in August, before the start of school.

Schedule Change Procedures During the School Year

Please keep in mind that the master schedule is constructed to best meet the needs of all students. During the course request process, students select preferred and alternate elective courses. After all student course requests have been finalized, elective changes will not be considered. Similarly, lateral or preference based schedule changes will be allowed only for extenuating circumstances as determined by the Vice Principal for Academic Affairs or designee. A student who wishes to propose a change should contact his/her counselor and then discuss the proposed change with his/her parent(s)/guardian(s) and the current teacher. If the student still wishes to proceed with a change after these discussions, the student's counselor will contact the Vice Principal for Academic Affairs to request permission to proceed with the request. The administrator may meet with the student if (s)he feels that a meeting is necessary.

The need for program changes while school is in session is recognized only under special circumstances. For example, scheduling errors, course conflicts or clear, documented academic misplacement will be considered. Typically, if there is no mistake or omission in the student's elected program, a schedule change during the school year will not be permitted.

Classes may not be changed because of dislike for the subject, for meeting time of the class, or for the teacher. Some elective courses are only offered if enough students sign up for them. The administration reserves the right to make schedule changes to equalize class size or to place the student in an appropriate ability level class based upon teacher recommendation.

Requests for changes are not honored after the stated deadline. Exceptions are made only in the cases of conflicts, scheduling errors or recommendation of the administration. The window to make schedule changes closes on September 20, 2024 (February 7, 2025, for second semester courses). If a level change is made, it is made through teacher recommendation at the discretion of the administration.

Information Regarding Dropping/Adding Courses:

- Students who transfer out of a class within the prescribed time frame will have all records of the class expunged from their permanent record and have no impact on the student's GPA.
- No partial credit will be given for semester or full year classes if a student withdraws prior to the end of the course.

REQUIRED COURSE OF STUDY

1. Students must have a successful academic standing in the following areas:

Theology	4 years
English	4 years
Mathematics	3 years
Science	3 years
Social Studies	3 years (includes 2 years of US History)
World Language	2 consecutive years of the same language
Physical Education	4 years
Health	1 ½ years (3 semesters)
Drivers Education	½ year (1 semester)
Personal Finance	½ year (1 semester)
Music/Art	½ year (1 semester)

2. Students are required to take a full course load of 8 academic periods during each semester.
3. In addition to the above, students will also need to take a ½ year of College and Career Readiness, Life Skills, and Study Skills.
4. All ninth through twelfth grade students are required to sign up for 42.5 credits.
5. Full year courses are worth 5 credits. Semester courses are worth 2.5 credits. Health and Drivers Education courses are worth 1.25 credits. PE courses are worth 5 credits (not included in GPA calculation).

ACADEMIC SUPPORT

Teachers provide needed academic support in order for every student to successfully complete his/her course of study. Each teacher posts a one hour per week (minimum) time and date for students to come for Academic Support. This Academic Support time will be posted on the teacher's PowerSchool and/or Schoology . These office hours are available to provide tutorial help with the objective of improved achievement. It is the responsibility of the student to come to the teacher's academic support OR arrange a time that works better for the student WITH the teacher. Peer tutors are also available to ensure that every student has the tools to reach their goals.

HONORS

Honor Roll and High Honor Roll

Students at Immaculata High School have the opportunity to earn honor roll and high honor roll after each quarter. To earn honor roll, a student must earn an 87% or higher in all classes including Student Expectations and Responsibilities (SER). To earn high honor roll, a student must earn a 95% or higher in all classes including SER.

ACADEMIC ELIGIBILITY FOR NCAA DIVISION I OR II COLLEGE

College bound athletes also need to be sure that they have the kind and number of courses required to meet NCAA eligibility requirements. Specific information about NCAA eligibility is available through the School Counseling Office and at www.eligibilitycenter.org to see which of our courses are authorized core courses. In addition, the NCAA uses a sliding scale in regard to GPA and SAT/ACT scores.

Many high school athletes are hopeful of a college scholarship once they graduate from IHS. The following academic eligibility requirements for NCAA Division I and II colleges is stated below and should serve as a reference for athletes when selecting courses.

General Requirements:

To be a qualifier at Division I institution and eligible for financial aid, practice and competition during the first year, the student must:

1. Graduate from high school
2. Present a minimum combined test score on the SAT critical reading and math sections or a sum of the four sections (English, Math, Reading and Science) on the ACT as indicated on the index scale which is available online at the website above or copies are available in the School Counseling Office.
3. Achieve a minimum grade point average (GPA) of 2.3 in at least 16 core courses in the following areas: 4 years of English, 3 years of Mathematics (Algebra 1 or higher), 2 years of Natural/Physical Science, (1 year of lab if offered by high school), 1 year of additional English, Mathematics, or Natural/Physical Science, 2 years of Social Studies, 4 years of additional courses (from any area above, World Language or comparative Religion/Philosophy).

To be a qualifier for a Division II institution, you must:

1. Graduate from high school
2. Present a minimum grade-point average of 2.0 in at least 16 core courses in the following areas: 3 years of English, 2 years of Mathematics (Algebra 1 or higher), 2 years of Natural/Physical Science (1 year of lab if offered by high school), 3 years of additional English, Mathematics, or Natural/Physical Science, 2 years of Social Science, 4 years of additional courses (from any area above, World Language or comparative Religion/Philosophy)
3. Present a minimum 820 combined score on the SAT critical reading and math sections only or an ACT sum score of 68. The writing section of the SAT is not used.

The following courses do not qualify as core courses for NCAA eligibility and are not used in the calculation of a student's core course GPA:

Art Courses

Theology Courses

OPTION II - PHYSICAL EDUCATION

Recognizing that our student athletes are involved in rigorous academic and athletic programs, the Immaculata High School administration and Physical Education department have designed an option for student athletes who are involved in a sport outside of Immaculata High School, to be exempt from PE classes while said sport is in season.

Policy Stipulations:

- Option II PE is available to 9-12 graders in good academic standing (as deemed by the administration).
- Option II PE is for sports that are outside of Immaculata. Option II PE will not be considered for offseason conditioning for an Immaculata sport, on Immaculata grounds, or by an Immaculata coach (unless said coach is coaching an entirely separate league).
- **Option II will only be considered for competitive and intensive programs and teams. Fitness classes and or non competitive/intensive hobbies and/or teams will not be considered for option II.**
- Students must be enrolled in a training/practice program for 150 minutes per week.
- Students must report to an assigned, supervised study hall in lieu of PE class.
- Students cannot substitute another course for PE/Option II.
- Should a student leave a team for any reason during the season, he or she must notify the Athletic Director and the Vice Principal for Academic Affairs. Failure to do so could result in loss of future Option II privileges and possible Loss of Credit in PE class.
- Students who fail Physical Education for a marking period, or are not in good academic standing (as decided by the administration), will not be considered for the privilege of Option II.
- Students who do not exhibit the behavior of a student athlete in Option II will be dismissed from the program by the administration, and put back into a Physical Education class.
- Students must reapply for Option II every year in which to be considered for the *following* academic year).
- There is a possibility that you were accepted for Option II at one time, and do not receive it the next time you apply as policy stipulations do change.
- Applications can be found on the school website, and must be sent to the Vice Principal for Academic Affairs no later than **August 30, 2024 for the 2023-2024 school year (February 7, 2025 for second semester).**

Requirements for Consideration:

- A completed application
- A letter from the coach - **on the coach's or company's letterhead** - indicating what sport the student plays, how many hours per week the student practices or has games, when the sport and workouts are in session, the coach's contact information, and what type of exercise the student will be doing. This coach **CAN NOT** be an Immaculata coach for **ANY** team.

- Good academic standing as decided by the administration (including but not limited to not having failed P.E previously).
- **Option II will not be considered without this completed information. You are not to start your Option II Physical Education without written approval from the Vice Principal for Academic Affairs.**

GRADUATION REQUIREMENT SEQUENCE

Graduation Requirement	Grade 9	Grade 10	Grade 11	Grade 12
THEOLOGY 4 years	Theology 9 CP or H	Theology 10 CP or H	Theology 11 CP or H	Theology 12 CP or H
ENGLISH 4 years	English 1 CP	English 2 CP	English 3 CP	English 4 CP
	English 1 H	English 2 H	English 3 H	English 4 H
			Lang & Comp AP	AP Lit & Comp
				Capstone (Classical Studies Sig. Program)
MATHEMATICS 3 years	Algebra 1 CP	Geometry CP	Alg. 2 CP	
	Geometry CP	Geometry H	Alg. 2/Trig H	
	Geometry H	Alg 2 CP	Precalc with Trig CP	
	Alg 2/Trig H	Alg 2/Trig H	Precalculus H	
		Precalculus H	Calculus CP	
			Calculus H	
			Calculus A/B AP	
SOCIAL STUDIES 3 years <i>(2 years MUST be American History)</i>	World History CP	US History 1 CP	US History 2 CP	
	World History H	US History 1 H	US History 2 H	
		US History 1 AP	US History 2 AP	
SCIENCE 3 years	Biology CP	Chemistry CP	Physics CP	
	Biology H	Chemistry H	Physics H	
WORLD LANGUAGE 2 years	Spanish 1 or 2 CP	Spanish 2 or 3 CP		
	Spanish 2 H	Spanish 2 or 3 H		
	French 1 or 2 CP	French 2 CP		
	French 2 H	French 2 H		
	Latin 1 or 2	Latin 2 or 3		
	American Sign Language (ASL) 1	American Sign Language (ASL) 2		
PHYSICAL EDUCATION 4 years	Phys Ed 9	Phys Ed 10	Phys Ed 11	Phys Ed 12
HEALTH/CYCLE 4 years (1 semester each)	Health 1	Drivers Education	College/Career Readiness	Health 3
	Health 2	Study Skills	Personal Finance	Life Skills
PERFORMING ARTS/ VISUAL ARTS (1 semester required)	<i>Please see Program of Studies for available course offerings</i>			

ELECTIVE OFFERINGS SEQUENCE

*(S) = denotes semester course

Grade 9					
Mythology in Film CP	Intro to Nutr & Food (S)	A Capella Choir H	Creative Writing CP (S)	AP Human Geography	History and Sports
The American Civil War CP (S)	The American Civil War CP (S)	20th and 21st Century War and Diplomacy CP (S)	Ancient Greek and Roman Civilizations CP (S)	Economics CP (S)	Accounting CP (S)
Vis Art Fundamentals CP	Computer Science Fundamentals CP (S)	Mobile App Dev CP (S)	Spartan Choir - after school, 1 credit (Pass/Fail)	Music Theory 1 CP (S)	Music in Film CP (S)
Mus Appr & Tech CP (S)	Drama 1 CP				
Grade 10					
Diversity through Lit CP	20th and 21st Century War and Diplomacy CP (S)	Mobile App Dev CP (S)	Comp Sci Principles AP	A Capella Choir H	Music Theory 2 H
Mythology in Film CP	Ancient Greek and Roman Civilizations CP (S)	Vis Art Fundamentals CP	Studio Arts H	Spartan Choir - after school, 1 credit (Pass/Fail)	Drama 2 CP
Journalism 1 CP	Intro to Nutr & Food (S)	Child Development CP (S)	Cultural Ceramics CP (S)	Music in Film CP (S)	The American Civil War CP (S)
AP Human Geography	Economics CP (S)	Dynamics of Healthcare	Cultural Crafts CP (S)	Music Theory 1 CP (S)	Creative Writing CP (S)
History & Sports CP	Accounting CP (S)	Intro to Business CP	Digital Arts H	Mus Appr & Tech CP (S)	
Intro to Nutr & Food CP (S)	Computer Science Fundamentals CP (S)	Computer Aided Design (CAD) (S)	AP History of Art & Civ	Drama 1 CP	
Grade 11					
Diversity through Literature	Intro to Criminal Justice	Intro to Philosophy H	AP Human Geography	AP Environmental Science	Investments and Financial Markets (S)
AP Seminar	AP Human Geography	Intro to Statistical Thinking CP (S)	History and Sports	Food Science CP	Intro to Business (S)
Intro to Film Studies (S)	History & Sports	Discrete Mathematics CP (S)	Intro to Engineering CP	Child Development CP (S)	Entrepreneurship
Public Speaking (S)	Environmental Science CP	American Government (H)	Environmental Science CP	Dynamics of Healthcare in Society	Computer Aided Design (CAD) (S)
Intro to Psych through Lit H	Forensic Science CP	Intro to Criminal Justice and Ethics CP	Forensic Science CP	Medical Terminology	Computer Science Fundamentals CP (S)

Journalism 1 CP	Anatomy & Physiology CP	The American Civil War CP (S)	Anatomy and Physiology CP and Adv	Economics CP (S)	Mobile App Dev CP (S)
Journalism 2 H	Anatomy & Physiology H	20th and 21st Century War and Diplomacy CP (S)	AP Biology	Accounting CP (S)	AP Computer Science A
AP Computer Science Principles	Visual Art Fundamentals	Studio Arts Honors	Cultural Ceramics CP (S)	Cultural Crafts CP (S)	Digital Arts H
Photography CP (S)	Photojournalism CP (S)	Multimedia Communications CP	Videography CP	Broadcasting H	AP History of Art and Civilization
AP Studio/DigitalArts	A Capella Choir H	Spartan Choir	Music in Film CP (S)	Music Theory 2 H	Any language past 2 consecutive years of language in highschool, counts as an elective
Independent Music H	AP Music Theory	Drama 1	Drama 2	Drama Intensive	
Grade 12					
Diversity through Literature	Intro to Criminal Justice	Intro to Philosophy H	AP Human Geography	AP Environmental Science	Investments and Financial Markets (S)
AP Seminar/ AP Research	AP Human Geography	Intro to Statistical Thinking CP (S)	History and Sports	Food Science CP	Intro to Business (S)
Intro to Film Studies (S)	History & Sports	Discrete Mathematics CP (S)	Intro to Engineering CP	Child Development CP (S)	Entrepreneurship
Public Speaking (S)	Environmental Science CP	American Government (H)	Environmental Science CP	Dynamics of Healthcare in Society	Computer Aided Design (CAD) (S)
Intro to Psych through Lit H	Forensic Science CP	Intro to Criminal Justice and Ethics CP	Forensic Science CP	Medical Terminology	AP Computer Science A
Journalism 1 CP	Anatomy & Physiology CP	The American Civil War CP (S)	Anatomy and Physiology CP and Adv	Economics CP (S)	Digital Arts H
Journalism 2 H	Anatomy & Physiology H	20th and 21st Century War and Diplomacy CP (S)	AP Biology	Accounting CP (S)	AP History of Art and Civilization
AP Computer Science Principles	Visual Art Fundamentals	Studio Arts Honors	Cultural Ceramics CP (S)	Cultural Crafts CP (S)	Music Theory 2 H
Photography CP (S)	Photojournalism CP (S)	Multimedia Communications CP	Videography CP	Broadcasting H	AP Physics
AP Studio/DigitalArts	A Capella Choir H	Spartan Choir	Music in Film CP (S)	Music Appreciation and Tech CP (S)	Any language past 2 consecutive years of language in highschool, counts as an elective
Independent Music H	AP Music Theory	Drama 1	Drama 2	Drama Intensive	
Selected Topics on College Prep Math CP (S)	Intro to Calculus CP	Independent Study in Math H or Adv	AP European History	American Studies	

DESCRIPTION OF COURSE OFFERINGS

THEOLOGY DEPARTMENT

0012 Theology 1 (CP)

Grade 9

The Revelation of Jesus Christ in Scripture

This course helps students understand that Sacred Scripture is a primary revelation of God where they encounter the living Word of God, Jesus Christ. Emphasis will be given to the development, content and authorship of the Bible. The latter part of the course will focus on the Gospels and one's personal relationship with Jesus Christ. Throughout this course the students will study Saint John Paul II's teaching on the Theology of the Body (TOB) which will emphasize "the why and how" God chose to reveal Himself to humankind with a special emphasis on the marital imagery in Scripture.

Who Is Jesus Christ?

Following up from the previous course on Jesus Christ in Scripture, this course highlights Jesus Christ as the ultimate revelation of God. Concentration will be on the mystery and person of Jesus and who he calls us to be. Our study on Theology of the Body (TOB) will emphasize: the mutual exchange of Love in the Trinity, our mutual reception of Life and Love as Gift, our sexual difference as Man and Woman as a visible sign of Love, and the meaning of friendship and suffering.

0014 Theology 1 Honors (H)

Grade 9

The Revelation of Jesus Christ in Scripture

This course helps students understand that Sacred Scripture is a primary revelation of God where they encounter the living Word of God, Jesus Christ. Emphasis will be given to the development, content and authorship of the Bible. The latter part of the course will focus on the Gospels and one's personal relationship with Jesus Christ. The students will study, discuss and write on primary Church documents concerning Sacred scripture such as Dei Verbum and writings of the early church fathers. Throughout this course we will study Saint John Paul II's teaching on the Theology of the Body (TOB) which will emphasize "the why and how" God chose to reveal Himself to humankind with a special emphasis on the marital imagery in Scripture. They will enter into general study of the Church's teaching on prayer/spirituality with a special emphasis on Marian, Rosarian and devotional prayer. They will regularly pray in the chapel.

Who Is Jesus Christ?

Following up from the previous course on Jesus Christ in Scripture, this course highlights Jesus Christ as the ultimate revelation of God. Concentration will be on the mystery and person of Jesus and who he calls us to be. Our study on the Theology of the Body will emphasize: the mutual exchange of Love in the Trinity, our mutual reception of Life and Love as Gift, our sexual difference as Man and Woman as a visible sign of Love, and the meaning of friendship and suffering. The students will continue to study, discuss and write on the original writings of the early church fathers, saints and church documents. They will engage in regular prayer and receive an overview of the purgative, illuminative and unitive way of prayer.

Prerequisite: An A in Religion (for Catholic school students) or Pastor recommendation and an A in humanities (for public school students).

ENGLISH DEPARTMENT

All required English courses will have summer reading novels and assignments. These assignments will be posted on the web site, www.immaculatahighschool.org. Placement exam and/or classroom data can be used to move levels.

0112/1112 English 1 (CP) - A Literary Study Grade 9

This course provides a solid foundation for the study of English at the high school level. Students begin the formal study of literature through the novel, short story, essay, drama, and poetry. Spelling, punctuation, grammar, and vocabulary are stressed as means to effective oral and written communication. Students are encouraged to find their voice as writers as they learn to develop a five-paragraph essay. Students, using online resources, learn how to choose and narrow a topic, formulate a thesis statement, and develop an outline in order to write a short research paper. Supplementary reading is required.

0113 English 1 Honors (H) - A Literary Study Grade 9

In this course students study literature of various genres, including novels, short stories, poetry, and a Shakespearean play, and demonstrate through both written and creative projects their understanding of what they have been taught. Students in this class focus on composition, oral expression, and writing. At the honors level, students are expected to work independently. The course includes a unit on how to use the library for research, during which students learn how to choose and narrow topics, write a thesis statement, and construct an outline, which develops the thesis; this leads to the writing of a short research paper. Underlying all composition work is the formal study of grammar. The analysis of written works, as well as critical thinking, is an integral part of the course. The students develop vocabulary, both contextually and within a workbook, including definitions, parts of speech, synonyms, and antonyms, to improve the writing style of their own work. As a communication course, students develop speaking skills through in-class discussions and presentations.

Prerequisite: Placement is determined by standardized test scores and middle school academic record for incoming freshmen.

0141 Mythology in Film (CP) Grades 9-10

Why do some movies capture our hearts and imagination? Why do we love the hero and fear the villain? From the earliest motion pictures to contemporary Hollywood films, stories from Greek and Roman mythology inspired the most beloved and important movies. Myths such as Hercules, Orpheus, Pygmalion, Odysseus, Jason and the Argonauts, and others reveal eternal truths about life, suffering, and the human spirit which remain as captivating now as two millennia ago. Through studying these stories and films, students will see the mythic tradition permeating Western storytelling, from cinematic masterpieces to popular culture.

0140 Creative Writing (CP) Grades 9-10

Semester course

In this one-semester course, students will explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They will study examples of classic and contemporary selections, apply what they learn to their own writing, and develop proficiency in the writing process. They will learn to evaluate the writings of others and apply

evaluation criteria to their own work. By the end of the course, students will have created an online portfolio/e-book of collective written works.

MATHEMATICS DEPARTMENT

All required math courses and AP courses will have summer assignments. These assignments will be posted on the web site, www.immaculatahighschool.org. Placement exam and/or classroom data can be used to move levels.

0212/1212 Algebra 1 (CP)

Grade 9

This course covers the foundations of algebraic thinking including rational and irrational numbers, solving and graphing linear equations and inequalities, solving systems of linear equations and inequalities, quadratic equations and functions, polynomials and factoring, and rational expressions. Connections to real world applications are encouraged. A graphical approach is emphasized. A graphing calculator is required. A summer assignment is required.

0222/1222 Geometry (CP)

Grades 9–10

This course covers plane, solid and coordinate geometry. The units include: lines, angles, triangles, quadrilaterals, circles, area and volume. Right triangle trigonometry is covered as well as an introduction to the Law of Sines and the Law of Cosines. Inductive and deductive reasoning are used to develop logical thinking skills and to aid in the understanding of the basic concepts of geometry. Coordinate geometry is taught to assist with understanding and proving relationships. Algebra skills are maintained throughout the course with the Algebra Skills Program. A graphing calculator is required. A summer assignment is required.

Prerequisite: For incoming freshmen, placement is dependent upon successful completion of Algebra 1 in 8th grade, 8th grade teacher recommendation and entrance examination results.

0223 Geometry Honors (H)

Grades 9–10

This course includes plane, solid and coordinate geometry. The units covered include: triangles, polygons, lines, circles, space perception, surfaces, volumes, and geometric relationships. Triangle trigonometry including the Law of Sines and the Law of Cosines is studied. Geared to students intending to follow a heavier math-science roster, it treats each topic in greater depth than Geometry CP. Deductive and inductive reasoning are taught and the students are guided to develop theorems and deduce corollaries. Students are taught several methods of proof and given extensive practice in each. Throughout the course, the emphasis is on proof and spatial concepts. Algebra skills are maintained through the Algebra Skills Program. A summer algebra review assignment is required. A graphing calculator is required.

Prerequisite: Minimum of 93 in Algebra 1 CP (current students). Grade 9 Placement is dependent upon completion of Algebra 1 in 8th grade, 8th grade teacher recommendation and entrance examination results.

0232/1232 Algebra 2 (CP)

Grades 10–11

The scope of this course includes the further development and expansion of concepts covered in Algebra 1 CP. Topics include the real number system, complex numbers; linear equations, inequalities, linear systems, elementary linear programming; factoring, rational expressions; functions and graphs: quadratic, polynomial, rational and radical; conic sections; matrices;

introduction to counting techniques; introduction to sequences and series; a review of triangle trigonometry and Law of Sines and Cosines. A graphing calculator is required. A summer assignment is required.

Prerequisite: Algebra 1 CP, Geometry CP and/or teacher recommendation.

0233 Algebra 2/Trigonometry Honors (H)

Grades 9-11

This course, enhanced by the use of graphing calculators, develops and expands concepts taught in Algebra 1 H or CP and includes: linear and polynomial functions, inequalities, quadratic relations, systems of equations, complex numbers, rational functions, and conic sections. In addition to the algebraic topics, the following areas are covered: exponential and logarithmic functions, matrices, selected discrete mathematics topics, trigonometric and circular functions. A summer algebra and geometry review assignment is required. A graphing calculator is required.

Prerequisite: Algebra 1 CP/H; minimum grade a grade of 85 in Geometry H; minimum grade of 93 in Geometry CP; and/or teacher recommendation.

SOCIAL STUDIES DEPARTMENT

Sequence of Social Studies courses: World History, US History 1 and 2. Placement exam and/or classroom data can be used to move levels.

0312 World History (CP)

Grade 9

The course in World History seeks to provide students with background and knowledge concerning the nature of man that will enable students to understand how political, economic, social and cultural forces shaped the world in which they live. The course highlights and compares similarities and differences among nations, governments and people. Study skills are developed with the aid of the text references that help to clarify concepts and improve vocabulary. Topics that are covered include the earliest civilizations, through the Twentieth Century, as students are provided with opportunities to study western and non-western civilizations. Emphasis is placed on relating the past to the present. This course in World History meets the standards set in place by the State of New Jersey.

0311 World History (H)

Grade 9

In addition to the above course, students placed in honors are expected to analyze and integrate issues demonstrating historical scholarship through position papers, oral presentations, technology assignments and intelligent essay writing.

Prerequisite: Placement is determined by standardized test scores, 8th grade marks, and/or teacher recommendations.

0372 The American Civil War (CP)

Grade 9–12

Semester course

The purpose of this course is to have an intensive study of the Civil War Era. Students will take a close look at pre Civil War issues including slavery, study the events leading up to secession of the South, identify significant early victories of the Confederacy, highlight the revival of the Union's military successes, recognize brilliant leadership on both sides, and ultimately detail the conquest of the southern Confederacy.

0373 20th and 21st Century Wars and Diplomacy (CP)

Grade 9–12

Semester course

The purpose of this course is to have an intensive study of the wars and the resolutions that have shaped the world that we live in today. Students will closely analyze subjects including World War I, American neutrality/American entry, famous American struggles and victories, the homefront of conflict, the Korean conflict, the Vietnam War, September 11, 2001, the Iraq War, and the Afghanistan War. of the Civil War Era. The ultimate goal of this course is to analyze and learn from past conflict in order to create a more peaceful world in the future.

0374 Ancient Greek and Roman Civilizations (CP)

Grade 9–12

Semester course

This course is an introductory survey of the archaeology, architecture and material culture of the Mediterranean world from the Bronze Age throughout the transformation of the Roman Empire following the reign of Constantine. While we consider chronological developments, we will also place Greek and Roman artistic production into its social and cultural settings. Along the way we will think about approaches and methodologies for the study of Classical Art, and how these may tell us more about ourselves than the ancient Greeks and Romans.

0361 AP Human Geography (ADV)

Grade 9–12

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students learn to employ concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. The students also learn about the methods and tools geographers use in their research and applications. The course is taught with College Board released materials, whereby studying through primary sources, extensive essay writing, completion of several practice exams and a seminar presentation prepare the students for the required College Board Exam in AP Human Geography. Students interested in taking this course should be aware that due to its advanced placement level, the workload is equivalent with a college level course. Extra thought should be given to first time AP students since this course requires independent study and effective organization.

0370 History and Sports (CP)

Grades 9–11

In this course students will examine the development of sports through various historical perspectives. There will be an emphasis on helping students gain a better understanding of the inner relationship that sport has on social, economic, cultural, and political forces that are at work in the United States as well as the world. Students will examine the historical context as well as the significance of gender, race, ethnicity and social class.

SCIENCE DEPARTMENT

Sequence of Science courses: Biology, Chemistry, and Physics, with electives in: Anatomy and Physiology, Child Development, Forensic Science, Environmental Science, Food Science, Introduction to Engineering, Introduction to Nutrition and Food Science, Dynamics in Health Care, Medical Terminology, AP Biology, AP Chemistry, AP Physics, and AP Environmental Science. Placement exam and/or classroom data can be used to move levels.

0422/1422 Biology (CP)

Grade 9

This course includes a detailed study of ecology; biochemistry; photosynthesis and cellular respiration; cell structure, process, and function; genetics; evolutionary theory; and classification of organisms. Students will learn applicable skills through developing questions and investigation/ interpretation of real data. Critical thinking skills will be emphasized and hands-on laboratory experiences and project-based activities will reinforce class content.

0423 Biology Honors (H)

Grade 9

This course offers a rigorous and detailed approach to the principles of biology and includes: ecology; biochemistry; cell structure, process, and function; photosynthesis and cellular respiration; DNA and molecular genetics; and evolution and natural selection. Emphasis is placed upon the development of critical thinking skills, the use of the scientific method in experimentation, and class discussions. Hands-on laboratory experiences with collection and analysis of data will reinforce class content.

0454 Introduction to Nutrition and Food Science (CP)

Grades 9-10

Semester course

This course is designed to introduce students to the basic science of nutrition, healthy living and food service. In the first quarter students will study the basics of dietary recommendations, lifecycle nutrition, micro and macronutrients and exercise science. In the second quarter, students will study the basics of recipe development, food service applications and food safety. This course will culminate in a service project that integrates material learned with the core values of the Immaculata community.

WORLD LANGUAGE DEPARTMENT

All students must take two consecutive years of the same language at Immaculata High School.

0512 Spanish 1 (CP)

0515 French 1 (CP)

Grades 9-12

This is a multi-skilled program designed to develop in an interdependent approach, the four basic language skills (listening, speaking, reading, and writing) in order to simultaneously reinforce each skill. The program is student-centered requiring the active participation of the student in cooperation with the varied methods of instruction. Two major objectives of this course are individual proficiency in the communication of the target language and the development of positive attitudes toward the target language culture.

0516 Latin 1 (CP)

Grades 9–12

Latin I provides the student with awareness of the classical origins of Western culture and the influence of Latin on the English language. Students learn the basic principles of the Latin language and vocabulary through a reading-centered approach, which focuses on Roman culture and lifestyle as evidenced by the archaeological remains; acquire an expanded English vocabulary; and develop familiarity with the use of Latin in the life of the Church.

0571 American Sign Language (ASL) 1 (CP)

Grades 9–12

Introduces the basic American Sign Language (ASL) skills, focusing on communication in a cultural context. Covers fingerspelling, basic vocabulary and grammatical structures, and the development of visual receptive and gestural expressive skills. Designed for students with little or no previous knowledge of ASL.

BUSINESS/COMPUTER SCIENCE

0625 Intro to Economics (CP)

Grades 9-12

Semester course

The course illustrates the way in which economists view the world. Students will learn about the basic tools of micro- and macroeconomic analysis and, by applying them, will understand the behavior of households, firms and government. The course will help students prepare to think like economists by using principles and models to describe economic situations and predict and explain outcomes. Students will connect economic theory to current events and analyze real-time data and issues, interpreting news stories and learning how economic principles are applied to everyday life.

Prerequisites: Successful completion of Introduction to Business

0635 Accounting 1 (CP)

Grades 9-12

Semester course

This course provides an introduction to basic accounting principles and procedures, and the use of accounting information to make decisions from the perspective of both external investors and internal managers. Emphasizes an understanding of the complete accounting cycle by recording, classifying, and summarizing business transactions in a journal, preparing basic financial statements (balance sheet, income statement and statement of cash flows), and using the financial statements to assess the profitability, liquidity and solvency of business entities. This course also introduces students to Generally Accepted Accounting Principles and the ethical considerations in recording financial information.

Prerequisites: Successful completion of Introduction to Business

0642 Introduction to Business (CP)

Grades 9-12

Semester course

The course will help students create a foundation of business literacy. The course presents an overview of the important functional disciplines necessary for students to understand in order to further their business studies, pursue a career in business, or operate a business as an entrepreneur. The subject matter in each section will provide students with an understanding of the practical skills required across the spectrum of modern business, and will cover topics including product development, finance, marketing, management, and supply chain

management. The course will also introduce students to many varied career opportunities in business.

Note: This course is only offered during the first semester.

0648 Introduction to Computer Science (CP)

Grades 9–11

Semester courses

Students who wish to obtain a full year introduction to the field of computer science are encouraged to register for both of the following semester courses, although they may be taken independently.

0654 Computer Science Fundamentals

Semester course

Students will learn how to approach everyday problems. The class will focus on technology in the core areas of: Networking, Cybersecurity, Mobile Applications, Programming Fundamentals (utilizing introductory versions of Python and Javascript), Digital Citizenship and Cloud based computing. Other topics may be surveyed at the discretion of the instructor.

Special Note: Students who took Introduction to Computer Science previously are NOT eligible to register for Computer Science Fundamentals as a separate course in subsequent years.

0649 Mobile App and Web Development

Semester course

This course teaches students how to create their own mobile apps and websites. Topics covered include web page authoring using HTML and CSS, application deployment and availability on the corresponding app stores and markets, application security, efficient power management, and mobile device security.

Special Note: Students who took Introduction to Computer Science in 21-22 are NOT eligible to register for Mobile App and Web Development as a separate course in subsequent years.

VISUAL ARTS DEPARTMENT

0721 Visual Arts Fundamentals (CP)

Grades 9–12

Visual Art Fundamentals is an introductory course to the visual arts, as well as a prerequisite to several of our studio electives. This course offers students hands-on experience with making art incorporating traditional and digital techniques, familiarity with art vocabulary and concepts, and a fuller understanding of the visual arts' role in contemporary society.

PERFORMING ARTS DEPARTMENT

0813 Concert Band (CP)

Grade 9

This band option is for freshmen and students grades 10-12 looking to learn an instrument for the first time. Band is a course for instrumental students that enjoy their study of music through performance in ensembles. The course is designed with three components: music theory/history, instrumental method, and instrumental ensemble. Students are members of the band program and are scheduled for lessons at least once a month or as needed. All members are eligible for membership in the Marching Band and other co-curricular small ensembles. Students are required to attend pre-concert rehearsals (after school/evening) in addition to their own daily practice. Participation and performance in concerts is required.

Prerequisite: Department approval/meeting with the student.

0824 A Capella Choir (H)

Grades 9–12

This is an honors level performance course designed for students that are serious about learning the vocal arts. This class is designed to teach the basics of singing technique, in both solo and ensemble settings, and quickly advance students to a high performing level. In addition to performing at school concerts (winter and spring), the A Capella Choir will perform for various school and community functions. Some after school rehearsals/trips may be required. Participation in rehearsals and performance in concerts is required.

0822 Spartan Choir (P/F)

Grade 9–12

This is an entry level choir for those students who enjoy singing and would like to advance their singing abilities in a comfortable environment. The Spartan Choir studies and performs a wide range of vocal literature encompassing a variety of choral forms, styles, historical periods and cultures. The program is designed to give students instruction in diction and vocal production within the context of individual and ensemble work. Students in this choir will sing in the Christmas Concert, Spring Concert, various service events (nursing homes and senior centers), and will have the opportunity to audition for NJ Region and All-State Chorus. Rehearsals for this choir are every Monday of the school year from 2:45-4pm. Participation in this choir can advance students to A Capella Choir Honors and/or Chamber Choir (audition-only choir, department approval needed).

Note: This course meets outside of school hours and is graded using a pass/fail system based on attendance and participation. It is not included in a student's GPA.

0805 Music in Film (CP)

Grades 9–12

Semester course

This class is a semester course, designed for all students regardless of if they have taken a music course or not, that combines a historical and chronological approach to the study of film music and sound with an emphasis on building listening skills. Through engaging, accessible analyses and exercises, this course covers all aspects of the subject, including how a soundtrack is assembled to accompany this visual context, how music enhances the form and style of key film genres, and how technology has influenced the changing landscape of film music.

0843 Music Appreciation and Technology (CP)

Grades 9-10

Semester course

This class is a semester course designed for all students regardless of whether or not they have taken a music class before. This class will cover the history of music, elements of music, and use music listening to help them develop a greater appreciation for all genres of music. This class will also introduce the students to basic music technology that can be accessed using their chromebooks so that they can also create music. Prior music knowledge is not required.

0861 Music Theory 1 (CP)

Grades 9-10

Semester course

This course is designed to teach students the basics needed to read and write music. Topics covered in this class include note reading, rhythm, music terminology, and application of theory to performance. Any student who is interested in learning how to read music or improving their ability to read music should take this class. No prior music knowledge is required.

0145 Drama 1 (CP)

Grades 9-12

This course introduces students to the theatrical arts. We emphasize creativity, collaboration, and perseverance. Areas covered in depth include: theater vocabulary, roles in the theater, movement, acting, the reading of plays, theater design and tech, and viewing theater performances. Students will be creating projects throughout the year in groups just as they would encounter in the professional theater world. Participation in a drama performance will be possible as well at the discretion of the teacher.

PHYSICAL EDUCATION DEPARTMENT

Physical Education

0916 Grade 9 Physical Education (CP)

0926 Grades 10-12 Physical Education (CP)

The planned four-year physical education program is designed to assist the students in achieving and maintaining a desirable level of physical fitness. It strives to promote an understanding of the relationship between regular physical activity and health. The program provides sports, games, and various physical activities that promote self-confidence, the ability to work within a group, mutual respect, and a competency for participation in lifetime sports. Immaculata also offers an Option II Physical Education program for those students that qualify, apply, and are accepted. Applications for Option II Physical Education **must** be received before September 23, 2022.

0910 Health 1

Grade 9

Semester course

The freshmen health curriculum encourages students to stay drug free by supplying them with accurate information about the effects of alcohol, tobacco, and drugs on their health and the health of others. In addition, the course shows students how to resist peer pressure to use drugs and encourages them to participate in healthy alternatives to drugs.

0915 Health 2

Grade 9

Semester course

The freshman health curriculum provides information on communicable sexually transmitted diseases and the high risk behaviors that contribute to their prevalence in today's society. The course is abstinence based and includes discussions on personal relationships and prevention techniques. The endocrine system as well as the male and female anatomy is also discussed.