



Cathedral Preparatory School and Villa Maria Academy

Course Catalogue

2021-2022

Cathedral Preparatory School

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Villa Maria Academy

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Mission Statement

Cathedral Preparatory School and Villa Maria Academy form a Christ-centered, co-institutional, college preparatory Catholic school in the Diocese of Erie. With a foundation of faith, family, excellence, and tradition, we develop men and women of vision in spirit, mind, and body.

Vision Statement

Steeped in Gospel values and the mission of the Catholic Church, Cathedral Preparatory School, Villa Maria Academy, and Mother Teresa Academy strive to excel as a teaching and learning community by fostering strong moral character, esteemed academic success, service, and global leadership.

www.prep-villa.com

Graduation Requirements

A minimum of 29.0 credits is required for graduation from Cathedral Preparatory School and Villa Maria Academy. These credits shall include:

Business, Computer, Information Technology (BCIT)	1.0 credit
Health & Physical Education (HPE)	1.0 credit
English & Language Arts	4.0 credits
SAT/College Prep (Math & English)	0.5 credits
Mathematics	4.0 credits
Music, Visual, Performing Arts (MVP)	1.0 credits
Science	4.0 credits
Social Studies	4.0 credits
Theology	4.0 credits
World Language	2.0 credits
General Electives	3.5 credits

TOTAL REQUIRED CREDITS: 29

ADDITIONAL REQUIREMENTS:

Twenty-Five (25) service hours each of the four years.

Students are required to take the SAT and/or the ACT exam.

Seniors are required to be accepted to a 4-year college.

Levels of Academic Study

Cathedral Preparatory School and Villa Maria Academy offer three levels of study in college preparatory coursework. Students will be placed in the appropriate academic level as freshmen based on their grade school transcripts, teachers' recommendations, and standardized testing performance. Academic levels for the subsequent years will be determined by a student's first semester grades in the preceding year (i.e. first semester grades freshmen year will determine academic level placement for sophomore year in core subject areas.).

To move up an academic level a student must achieve a 93% average (or greater) for the semester and have the teacher's recommendation. To maintain an academic level a student must achieve an 88% average (or greater) for the semester. Students with an average below an 88% average must have the teacher's recommendation to maintain their present academic level.

Advanced Placement (AP): College level courses offered to ambitious students and sponsored by the College Board. These classes allow students to obtain college credit, advanced placement credit, or both, and are taught within the building. Students enrolled in an AP course will be able to take the College Board AP exam. The cost of the AP exam is in addition to regular tuition, although financial assistance is available through the College Board.

- **Advanced/Advanced Standing (AS):** Are courses given additional weight because of a higher level of preparation for AP like courses or else provide the opportunity to earn college credit through programs like the University of Pittsburgh's College in High School program but do not correspond to an Advanced Placement content exam.

Honors (H) or Accelerated: College preparatory core courses which require advanced work, in-depth study, and more rigorous assessments/activities beyond regular academic requirements.

In the instance of elective courses, the curriculum includes at least one (if not more) of the following criteria:

- Research paper/assignment
- Outside of coursework responsibilities (project)
- Performance/presentation outside of class time
- Accomplishing college level work (hosted by an outside entity)

In the instance of Music, Visual, & Performing Arts (MVP) introductory (Level 1) courses are for regular credit. Once students achieve high level courses, then Honors designation for courses is in play. But this will require some level of instructor approval based on student skill, ability, or work-ethic.

Academic (A): College preparatory courses which meet the average standards of college entrance requirements.

Grading Scale and Quality Points

All subjects are weighted with Quality Point Values in respect to the three levels of study. This system provides an equitable method of determining scholastic honors and class rank. Students must maintain a cumulative QPA of 2.0 or better to continue at Prep-Villa year to year. Any student falling below that mark at the end of school year will either be forced to withdraw or placed on an academic contract for the following semester at the discretion of Administration.

Quality Points

AP/AS	Honors/ Accelerated	Academic	Grade (%)	Grade (Letter)
6	5	4	93-99	A
5	4	3	85-92	B
4	3	2	77-84	C
1	1	1	74-76	D
0	0	0	Below 74	F

Gannon Dual Enrollment Program

Select Juniors and Seniors with high-ranking QPAs may alternatively be invited to participate in the Gannon Dual Enrollment Program. Students in their first year of the program are eligible to take 2 courses each semester on the Gannon University campus in the morning and return to Cathedral Prep and Villa Maria Academy when classes are finished. The number of students in the program is determined by Gannon.

First year students, whether Juniors or Seniors, will be slotted into limited courses (English and Social Studies).

Seniors in their second year of the program make take up to 3 courses each semester in three of the following areas: English, Social Studies, Electives (potentially two), Math (if maxed out of courses at Prep-Villa only).

Courses are taken for college credit that may be transferable to other schools, and students will meet with the school counselor to enroll and select classes each semester if applicable (second year seniors). All costs associated with this program are in addition to regular Prep-Villa tuition. Students will be selected in rank order based on their QPA (first 3 semesters for Sophomores and first 5 semesters for Juniors) until the available slots at Gannon are filled.

Students must maintain a B average or higher in all courses and maintain an attendance record consistent with Gannon's Freshman Class expectations. Failure to do so will result in a student's removal from the program. Students operate on professor policies for all course participation, grading, and final exams. Mid-term grades from Gannon will be used as the 1st quarter and 3rd quarter grades. However, the final grade is the one that goes on students' transcripts (not averaged as would occur with a course taken at Prep or Villa).

Prep-Villa & Gannon Matriculation and Articulation Agreement

Any Prep-Villa student who completes four years of study (3.5 in languages) on the Honors or AP level in Theology, English, Social Studies, Math, Science, and World Languages will receive, upon attendance at Gannon University, three (3) college credits in each discipline at no charge to the student. The Gannon University Admissions Office will review the student transcript and grant those credits without any further action by the student. Gannon University has also developed a number of articulation agreements with Prep-Villa that will enable students to skip their freshmen year of undergraduate studies at Gannon if the appropriate courses are taken and grades achieved while at Prep-Villa. Students should consult their Guidance Counselor for more information on this program.

Course Offerings

Cathedral Preparatory School and Villa Maria Academy require a minimum of 10 students to run a course. Thus, not all courses listed in this catalog will be run each school year on one or both campuses due to staffing availability and student interest.





Business, Computer, Information Technology (BCIT)

3D Printing and Modeling

Number	77115	Level	4.0
Credit	.5	Grades	9-12

Course Description: This course prepares students for careers being reshaped by 3D printing technology. Combining in-depth lessons and class discussions with exciting hands-on projects, students will gain the theoretical and practical knowledge they need to wield this transformative technology in the real world.

Accounting

Number	76210	Level	4.0
Credit	1	Grades	10-12

Course Description: Accounting is an essential aspect of every business institution and organization. As future workers, small business owners, and entrepreneurs, students will understand the basic accounting principles. The introduction of computerized systems has made the mastery of technology skills an integral part of the accounting curriculum and technology will be utilized throughout the course.

Computer Science Principles AP

Number	76220	Level	6.0
Credit	1.0	Grades	10-12

Course Description: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Cybersecurity

Number	76235	Level	4.0
Credit	.5	Grades	9-12

This course is an exploratory course to issues in Cybersecurity issues that are emerging in our present-day culture. In this course we explore the impact of cyber security vulnerabilities through tools and online courses that enrich curricular topics explored. The course further explores how cybersecurity security and data intelligence is having on our mainstream culture.

Drones: How Drones Fly and How to Fly Drones

Number	77125	Level	4.0
Credit	.5	Grades	9-12

Course Description: Due to the exponential growth of the drone industry, students will explore, learn and evolve along with the applications of today and the discoveries of tomorrow. The Drones course fosters this new technological landscape. Flying drones is great fun but comes with serious responsibility and federal rules and regulations that must be obeyed and respected. In this course we will learn how to fly drones legally and safely and the science of how drones fly.

Emerging Technologies

Number	77135	Level	4.0
Credit	.5	Grades	9-12

Course Description: This course is an exploratory course for technologies that are emerging in our present-day culture. In this course we explore the impact of technologies such as the Go Pro camera, drones, 3D printers, electric and solar-powered cars, cyber security tools and online courses that enrich curricular topics explored. This course further explores the impact these emerging technologies are having on our mainstream culture.

Entrepreneurship

Number	77145	Level	4.0
Credit	.5	Grades	9-12

Course Description: Entrepreneurship focuses on recognizing a business opportunity and developing the opportunity into a business. The controlling functions - accounting, finance, marketing, management - as well as legal and economic considerations are applied. Student responsibility and initiative are encouraged as business strategies are created, planned, and presented as a final product - a business plan for an actual business venture. Through the process of developing the business plan, students acquire skills necessary to operate a successful business.

Exploratory Engineering

Number	76245	Level	4.0
Credit	.5	Grades	10-12

Prerequisite: 3D Printing and Modeling or MicroStation CAD 1

Course Description: Specifically designed as an introduction to the exciting world of engineering, it encourages students to become engineers and prepares them with a solid foundation in the fundamental principles and physical laws. The course begins with a discovery of what engineers do as well as an inside look into the various areas of specialization. An explanation on good study habits and what it takes to succeed is included as well as an introduction to design and problem solving, communication, and ethics. Then students will study the basic physical concepts and laws that students will encounter regularly. The framework of this course teaches students that engineers apply physical and chemical laws and principles as well as mathematics to design, test, and supervise the production of millions of parts, products, and services that people use every day. By gaining problem solving skills and an understanding of fundamental principles, students are on their way to becoming analytical, detail-oriented, and creative engineers.

Financial Planning

Number	77155	Level	4.0
Credit	.5	Grades	9-12

Course Description: This course will inform students how individual choices directly influence occupational goals and future financial independence. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

Freshman Seminar

Number	71115	Level	4.0
Credit	.5	Grades	9

Course Description: This course will address the following: transition to high school, study tips and skills, building to success in high school, using technology, history of Prep and Villa, anti-bullying, meeting with administration, and discipline code & policy awareness.

Independent Research: BCIT H/Advanced

Number	76985/76995	Level	5.0/6.0
Credit	0.5	Grades	11-12

Prerequisite: Instructor permission and Administrative approval

This course is designed for those who have a special academic goal which is not otherwise offered in the department. Students must choose their own curriculum, learning resources, and ways to prove what they learn throughout the course. Students may choose a curriculum ranging from approved online open-source courses, traditional styles involving textbooks and study guides, or a self-designed curriculum built around well researched independent sources.

A minimum amount of assignments will be required for a grade and students will be required to report to a supervising teacher for selection/development and approval of all course curricula. Students will be required to record progress daily. Students must meet minimum grade, conduct and goal requirements and apply for course enrollment.

Intro to Computer Programming H

Number	76225	Level	5.0
Credit	.5	Grades	10-12

Prerequisite: Algebra 1 A or Algebra Advanced and Instructor permission

Course Description: This course is an exploratory course to computer science and Object-Oriented Programming (OOP). Introduction to Computer Programming uses Python software which is designed to help students with no prior exposure to computer science or programming learn to think computationally and write programs to tackle useful problems. This course covers the notion of computation, the Python programming language, some simple algorithms, testing and debugging, and informal introduction to algorithmic complexity, and some simple algorithms and data structures.

Computer-Aided Design (CAD) 1 H

Number	78315	Level	5.0
Credit	.5	Grades	11-12

Prerequisite: Geometry H and Instructor permission

Course Description: A powerful computer-aided design/drafting (CAD) program allows users to produce sophisticated 2D designs. In this course, students will learn how to read and study the 2D architectural and mechanical design blueprints; setup 2D design environments and draft objects under an auxiliary coordinate system; and create 2D drafting models. It supports the integration of science, technology, engineering, and math (STEAM) education into secondary classrooms, through technology suites that encourage hands-on project based learning.

Computer-Aided Design (CAD) 2 H

Number	78325	Level	5.0
Credit	.5	Grades	11-12

Prerequisite: MicroStation CAD 1

Course Description: CAD 2 expands on the topics studied in CAD 1 that allow users to create 2D and basic 3D designs. In this course, students will learn to read and study the architectural and mechanical design blue prints; setup 3D design environments; use Fusion 360 and SketchUp Make; operate solid modeling tools; control the display volume of the view; draft objects under an auxiliary coordinate system; and create 3D printing model. The course supports the integration of science, technology, engineering, and math (STEAM) education into secondary classrooms through technology suites that encourage hands-on project based learning.

Robotics H

Number	78335	Level	5.0
Credit	.5	Grades	10-12

Prerequisite: 3D Printing and Modeling or CAD 1

Course Description: Introduction to Robotics course will study the basic designs, constructions, and programming concepts of robotics through focus on various robotics research topics. The course is appropriate for 10th – 12th grade students who are interested in the design, engineering, and programming. Student will encourage to develop independent analytical and critical thinking skills as well as team work. Students will work in groups to complete a variety of activities, such as the construction and design of various types of robots, and documenting and reporting their course works in form of different media which is not limited to paper, iMovie presentation, TED style report, and so on.

BCIT Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses	Freshman Seminar	0.5 credits during grades 9-12		
Elective Options	3D Printing and Modeling Emerging Technologies Entrepreneurship Financial Planning	3D Printing and Modeling Accounting Comp Sci Principles AP Entrepreneurship Financial Planning Intro to Computer Programming H	3D Printing and Modeling Accounting Comp Sci Principles AP Drones Emerging Technologies Entrepreneurship Exploratory Engineering Financial Planning Intro to Computer Programming H CAD 1 H CAD 2 H Robotics H	3D Printing and Modeling Accounting Comp Sci Principles AP Drones Emerging Technologies Entrepreneurship Exploratory Engineering Financial Planning Intro to Computer Programming H CAD 1 H CAD 2 H Robotics H



Health & Physical Education (HPE)

Health 1/ Physical Education 1

Number	61112/61122	Level	4.0
Credit	.25/.25	Grades	9

Course Description: This course is designed to study the anatomy and physiology of the human body. The following body systems will be discussed: skeletal, muscular, nervous, cardiovascular, respiratory, digestive, and reproductive. The subject matter will further explore how these systems work together and common health problems associated with each system. An introduction to human sexuality, healthy relationships and sexually transmitted infections will also be presented. This curriculum is taught from a Catholic perspective to encourage students to evaluate personal decisions. Overall the subject matter will promote self-awareness and confidence to encourage healthy teenage years. Physical education aims to develop an overall understanding of basic fitness and physical activity. The activities are designed to meet cardiovascular and muscular fitness needs and achieve a feeling of wellness. Also, this class will provide students with the basic fundamentals needed to play and enjoy a variety of team and individual sports.

Health 2/ Physical Education 2

Number	62112/62122	Level	4.0
Credit	.25/.25	Grades	10

Prerequisite: Health 1/ Physical Education 1

Course Description: This curriculum is taught from a Catholic perspective to encourage students to evaluate personal decisions. Overall the subject matter will promote self-awareness and confidence to encourage healthy teenage years. This course also aims to develop an overall understanding of basic fitness and physical activity. The activities are designed to meet cardiovascular and muscular fitness needs and achieve a feeling of wellness. Also, this class will provide students with the basic fundamentals needed to play and enjoy a variety of team and individual sports.

Competitive PE

Number	66135	Level	4.0
Credit	.5	Grades	10-12

Course Description: This course is designed to introduce students to advance game skills and game strategies. Students will participate in individual and team games throughout the semester. Competitive games that students will be participating in: paddle ball, volleyball, ultimate frisbee, badminton, hockey and many others. Also, during this course the students will also be exposed to a variety of personal fitness workouts such as: cardiovascular training, strength training, stretching, etc.

Nutrition and Wellness A/H

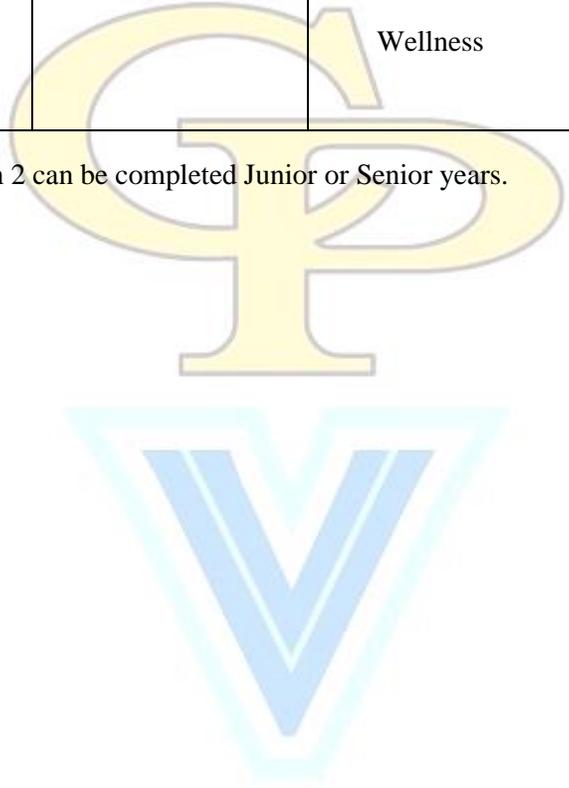
Number	66145/66155	Level	4.0/5.0
Credit	.5	Grades	11-12

Course Description: Have you ever wondered how the food you eat fuels your body? Why some foods make your body feel and perform better than others? This class will have the answers for you.

Health & PE Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses	PE 1/Health 1	PE 2/Health 2*		
Elective Options		Competitive PE	Competitive PE Nutrition & Wellness	Competitive PE Nutrition & Wellness

*If necessary PE 2 and Health 2 can be completed Junior or Senior years.





English & Language Arts



English 1 A/H

Number	31110/31120	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This course is a thematic study course focusing on self-discovery, independence, crisis and conflicts, relationships, and exploring truth in novels, poetry, nonfiction, drama, and short story fiction. Emphasis will be on reading comprehension, literary analysis, grammar, composition development, vocabulary, presentation, and information literacy. The honors level will have deeper analysis of texts and more advanced compositions.

English 2 A/H

Number	32110/32120	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: English 1 A/H

Course Description: This course includes literary analysis, close reading, and vocabulary development, but focuses on language and composition. Additionally, students will strengthen essential communication skills through participation in individual and group presentations, formal prepared speeches, some impromptu speaking, and reading aloud. The honors level will have deeper analysis of texts and more advanced compositions.

Language and Composition AP

Number	32130	Level	6.0
Credit	1.0	Grades	10

Prerequisite: English 1 H & Instructor Approval

Course Description: This class is a yearlong course designed to provide students with a learning experience equivalent to that of an introductory college course in English composition. Therefore, the course is writing and reading intensive. Students will write often, and they will write in a variety of forms to help them grow as writers and communicators. Additionally, students will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and become skilled writers and speakers who compose for a variety of purposes.

English 3 A/H

Number	33110/33120	Level	4.0/5.0
Credit	1.0	Grades	11

Prerequisite: English 2 A/H

Course Description: This class is a course designed in conjunction with U.S. History by exploring the literature and philosophy which have contributed to American popular culture. With an emphasis on communication skills, the aim of the course is to help students understand the development of American culture and to view literature and history as the expression of concepts and values that have formed the national character. The course aims to offer the students the means to increase their understanding of themselves and their skills in verbal and written expression, research, standardized test taking, vocabulary, critical thinking and analysis in order to prepare them for their post-secondary educational and professional challenges. The honors level will have deeper analysis of texts and more advanced compositions.

English 3 Advanced

Number	33130	Level	6.0
Credit	1.0	Grades	11

Prerequisite: English 2 H/Language and Composition AP and Instructor approval

Course Description: English III Advanced is a challenging course designed to explore American culture utilizing college texts from the earliest colonizing efforts through 2000 and to examine the literature and philosophy which have contributed to American popular culture. With an emphasis on communication skills, the course aims to offer students the means to increase their understanding of themselves. The emphasis on communication skills is intended to help students hone their skills in usage, composition, literary research, presentations, collaboration, standardized test taking, critical thinking, and analysis in order to begin their preparation for the AP English Literature and Composition exam and to handle their post-secondary educational and professional challenges. The Advanced level will require extensive analysis of texts and more advanced compositions.

English 4 A/H

Number	34110/34120	Level	4.0/5.0
Credit	1.0	Grades	12

Prerequisite: English 3 A/H

Course Description: This class is designed to study humanity on a global scale. The intentions of this course are to prepare students for life in the modern global society by examining and discussing the concept of “classic” world literature and its effects on modern society. During the course of studies students will be exposed to literature from various world cultures, covering ancient texts through modern authors. With an emphasis on oratory skills, writing exercises and critical thinking students will be able to demonstrate an understanding of other societies and their view of our world. The course is intended to prepare students for collegiate study by emphasizing writing skills, public speaking, critical reading, and Socratic dialogue. The Honors level will require deeper analysis of texts and more advanced compositions.

Literature and Composition AP

Number	34130	Level	6.0
Credit	1.0	Grades	12

Prerequisite: English 3 H/English 3 Advanced and Instructor Approval

Course Description: This yearlong, rigorous course, prepares seniors for the College Board’s Advanced Placement examination for English Literature and Composition. In accordance with the College Board’s AP Course Description, the goal is for the students to become “skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes.” Students will develop reading and writing skills to become scholars of the literary canon. In addition to the focus on test preparation, students will write a research paper utilizing MLA citation, participate in in-depth discussions, and continue speech development through project presentations.

Creative Writing H

Number	37115	Level	5.0
Credit	0.5	Grades	9-12

Course Description: This course is designed to improve and develop students’ abilities to compose creatively in a variety of genres, including nonfiction, fiction, drama, and poetry. The course is intended to be taught in a workshop format where students present their own work, critique the work of their peers, and contribute to small and large group discussions about peer writing. Students will read exemplars of creative writing in all genres, learn the basic components of each genre, imitate styles of respected writers, and ultimately find their own writing voice and style. Students will engage in daily writing exercises, formal writing assignments, and activities that will spur creative thoughts and description.

English as a Second Language

Number	38110	Level	4.0
Credit	1.0	Grades	9-12

Course Description: This class is a continuation of basic communication in the English language, with further listening and speaking development for students with English as a Second Language. The formal skills of writing, reading, vocabulary and grammar will progress in everyday situations and in a variety of contexts. Students learn strategies in order to advance their reading, listening, and pronunciation skills.

Introduction to Public Speaking

Number	37125	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This course is a practical and general course designed for students who desire to improve their communication skills, speech proficiency, poise, and self-confidence in public speaking situations. Students will prepare and deliver various kinds of oral presentations, including impromptu, informational, demonstrative, and persuasive. Students will become familiar with what makes a good speaker and a good speech, explore ways to overcome nervousness and self-consciousness, improve all types of verbal communication, and practice respect when speaking and listening to others. Students' abilities will be assessed by themselves, their peers, and the teacher.

Journalism H

Number	36110	Level	5.0
Credit	1.0	Grades	11-12

Course Description: This class is designed to provide students with an introduction to the field of journalism as well as an opportunity to contribute as student journalists to the official student publication. The world of journalism is evolving, and this course puts students in the middle of the action. In addition to learning about the history of journalism and traditional techniques, students will learn about the challenges and opportunities in journalism today. The course will teach students the basics of interviewing, reporting, and writing. They will also learn about legal issues and ethics in journalism.

SAT/College Prep

Number	33995	Level	4.0
Credit	0.5	Grades	11

Course Description: This class will be team taught with one Math and one English faculty. The course will focus on the following areas: Math and Reading test taking skills for SAT and ACT tests and College Preparation: Application essays, School selection and finding scholarships and opportunities.

Yearbook H

Number	36160	Level	5.0
Credit	1.0	Grades	10-12

Course Description: This course teaches the techniques, skills, theories and application of layout, design and writing for the purpose of producing the school yearbook. It is an Honors level course requiring a strong understanding of writing skills, photography skills, and/or the basics of design. Students will be required to produce pages within assigned sections under the direction of section editors, the copy editor, the layout editor, the editor-in-chief, and the instructor/advisor. The meeting of deadlines with assigned pages is of utmost priority and will be a major factor in student evaluation. This is a production-based course requiring 100% participation of all of its members.

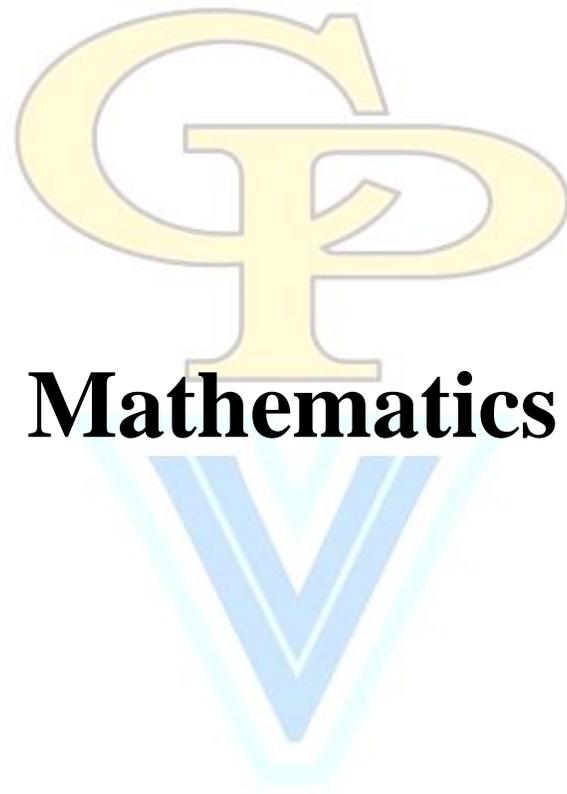
Young Adult Literature H

Number	36125	Level	5.0
Credit	0.5	Grades	11-12

Course Description: A course designed for students interested in literature commonly read by people in their late teens to mid-twenties. The course will explore multiple genres, various authors, popular books, social movements, and literature adapted to the screen. Students will become familiar with how social phenomena and artistic movements influence literature. Students will evaluate and start to understand how young adult fiction stands apart from other literature through the experiences and influences of social and cultural crises on a generation. Students will also explore essential literary elements and plot design. Students will be assessed by themselves, their peers, and the teacher through a variety of reading, writing, and speaking assessments.

English & Language Arts Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses Academic	English 1 A	English 2 A	English 3 A SAT/College Prep	English 4 A
Required Courses Honors	English 1 H	English 2 H	English 3 H SAT/College Prep	English 4 H
Required Courses Advanced	English 1 H	English 2 AP Language and Composition	English 3 Adv. SAT/College Prep	English 4 AP Literature and Composition
Electives	Creative Writing H Intro to Public Speaking	Creative Writing H Intro to Public Speaking Yearbook H	Creative Writing H Intro to Public Speaking Journalism Yearbook H Young Adult Lit.	Creative Writing H Intro to Public Speaking Journalism Yearbook H Young Adult Lit.



Mathematics

Algebra 1

Number	21110	Level	4.0
Credit	1.0	Grades	9

Course Description: Algebra 1 is a course in the fundamentals of algebra. The student learns to work with algebraic equations from the standpoint of solving, graphing, and applying them to everyday situations. Topics including functions, determinants, higher ordered systems, polynomial equations, complex numbers, and quadratic equations.

Algebra Accelerated

Number	21120	Level	5.0
Credit	1.0	Grades	9

Prerequisites: Math Placement Exam and Entrance Exam

Course Description: This course covers algebraic equations from the standpoint of solving, graphing, and applying them to everyday situations. Topics including functions, determinants, higher ordered systems, polynomial equations, complex numbers, and quadratic equations.

Algebra 2 A

Number	23110	Level	4.0
Credit	1.0	Grades	11

Prerequisite: Geometry A

Course Description: Algebra 2 expands on the topics studied in Algebra 1. Topics include factoring, variations and graphs, linear and quadratic relations, systems of equations, imaginary and complex numbers, powers, radicals, and radical equations.

Algebra 3/Trigonometry A

Number	24110	Level	4.0
Credit	1.0	Grades	12

Prerequisite: Algebra 2 A

Course Description: Trigonometry is a semester of this course that provides an extension of many of the concepts of algebra and geometry. Students will study the trigonometric functions, right triangles, graphs of trigonometric functions, fundamental identities, inverse trigonometric functions, radian measures, and triangles. The Algebra 3 portion of this course is dedicated to the continuation of algebraic concepts not included in previous algebra courses. Matrices, transformations of parent functions, and other higher-level algebra topics are covered during the second semester of this course.

Geometry A/H/Advanced

Number	22110/22120/22130	Level	4.0/5.0/6.0
Credit	1.0	Grades	10

Prerequisite: Algebra I. For Honors 88% in Honors or 93% in Academic is required. For Advanced 93% in Honors is required.

Course Description: Geometry provides an introduction to formal mathematics. Students will develop an understanding of logic and mathematical reasoning, and will apply these reasoning skills to relationships between geometric figures including points, lines, planes, triangles, polygons, and circles. They will also use these relationships and their algebra skills to solve real world problems. The honors and advanced levels will explore topics in more depth, including an increased emphasis on formal proof.

Calculus H

Number	24120	Level	5.0
Credit	1.0	Grades	12

Prerequisite: Algebra 2 /Trig H. For Honors 88% minimum in Honors is required.

Course Description: Calculus Honors is a year-long college level course which involves the understanding and application of a number of topics. It is dedicated to functions, graphing, limits/ continuity, related rates, and an extensive look at the properties and applications of the derivative and integral.

Calculus (AB) AP

Number	24140	Level	6.0
Credit	1.0	Grades	12

Prerequisites: Pre-calculus Advanced and instructor approval. For AP 93% in Honors or 88% in Advanced is required.

Course Description: AP Calculus is a college level course which involves the understanding and application of a number of topics. The first section of this course is dedicated to functions, graphing and limits. This is followed by an extensive look at the properties and applications of the derivative. The course is then concluded with the study of the properties and applications of definite and indefinite integrals. Throughout the course, students will be expected to create real-life models, which utilize many of the covered topics.

Pre-Calculus H

Number	23120	Level	5.0
Credit	1.0	Grades	11

Prerequisite: Geometry H. For Honors 88% in Honors or 93% in Academic is required.

Course Description: Pre-calculus is an honors level class broken into a trigonometry section and an Algebra 2 section. Topics in trigonometry include plane trigonometry, involving angles, triangles and triangle solutions and analytic trigonometry involving the unit circle, equations, inverse trig functions and identities. The Algebra 2 portion includes a refresher in exponents leading to logarithms, and work with functions.

Pre-Calculus Advanced

Number	23130	Level	6.0
Credit	1.0	Grades	11

Prerequisite: Geometry Adv. For Adv 88% in AP/Adv or 93% in Honors is required.

Course Description: Pre-calculus (Advanced) is an advanced algebra and trigonometry course that prepares students to be successful on the Advanced Placement Calculus exam the following school year. Trigonometry concepts include investigating relationships between trigonometric functions, finding angles and sides of right triangles, using the unit circle, graphs of trigonometric functions, fundamental identities, and inverse trigonometric functions. Algebra II concepts include operations with exponents, quadratic equations, roots of polynomials, graphing algebraic equations, logarithmic and exponential functions, and evaluating limits.

Statistics H

Number	24130	Level	5.0
Credit	1.0	Grades	12

Prerequisite: Algebra 2 /Trig H 88% in Honors is required.

Course Description: The purpose of the honors course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics this course will teach students how to communicate statistical methods, results and interpretations. Students will learn how to use graphing calculators and read computer output in an effort to enhance the development of statistical understanding. Students will gain significant insight to acquire the content knowledge necessary for concept mastery in the following themes: Exploring data; sampling and experimentation; anticipating patterns; and statistical inference.

Statistics AP

Number	24150	Level	6.0
Credit	1.0	Grades	12

Prerequisites: Pre-calculus Advanced and instructor approval. 88% in AP/Adv or 93% in Honors is required.

Course Description: AP Statistics is a college level course which will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics this course will teach students how to communicate statistical methods, results and interpretations. Students will learn how to use graphing calculators and read computer output in an effort to enhance the development of statistical understanding. Students will gain significant insight to acquire the content knowledge necessary for concept mastery in the following themes: Exploring data; sampling and experimentation; anticipating patterns; and statistical inference.

SAT/College Prep

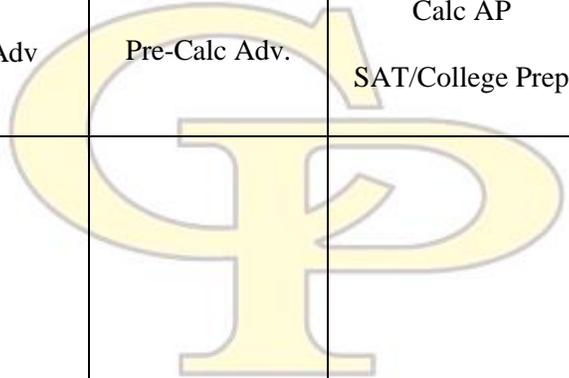
Number	33995	Level	4.0
Credit	0.5	Grades	11

Prerequisite: None

Course Description: This class will be team taught with one Math and one English faculty. The course will focus on the following areas: Math and Reading test taking skills for SAT and ACT tests and College Preparation: Application essays, School selection and finding scholarships and opportunities.

Math Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses Academic	Algebra 1 A	Geometry A	Algebra 2 A SAT/College Prep	Algebra 3/ Trigonometry A
Required Courses Honors	Algebra Acc	Geometry H	Pre-Calc H SAT/College Prep	Calculus H or Statistics H or both
Required Courses Advanced	Geometry Adv	Pre-Calc Adv.	Calc AP SAT/College Prep	Statistics AP
Electives				Calculus H Statistics H Calculus AP Statistics AP





Music, Visual, Performing Arts (MVP)

MUSIC

Chorus/Show Choir A/H

Number	88110/88120	Level	4.0/5.0
Credit	1.0	Grades	9-12

Prerequisites: Audition and instructor approval

Course Description: Show Choir is a vocal and dance ensemble of students performing vocal literature of the jazz and musical theatre repertoire. The ensemble continues the development of proper vocal technique while adding the elements of movement. This ensemble performs in all VMA and CP concert settings and official VMA and CP events. Some after school rehearsals are required before performances. The Show Choir performs at Disney every other year on Spring Break and goes to Cedar Point to compete every year. Students may take this course more than once.

Class Guitar A/H

Number	87115/88115	Level	4.0/5.0
Credit	0.5	Grades	9-12

Prerequisite: Honors by instructor approval

Course Description: This class is designed to develop the physical technique of guitar playing as well as basic performance and ensemble skills. Individual playing will be emphasized and aspects of music theory and music history will also be discussed relative to class content. Students will be exposed to a variety of popular music, arrangements, and standards and will learn to read music in both the classical form and the jazz/popular form using chord symbols.

Class Piano A/H

Number	87215/88215	Level	4.0/5.0
Credit	0.5	Grades	9-12

Prerequisite: Honors by instructor approval

Course Description: This class is designed to develop the physical technique of piano playing as well as basic performance and ensemble skills. Using digital instruments, students will be introduced to concepts of keyboard playing relative to their level of playing achievement. Individual playing will be emphasized and aspects of music theory and music history will also be discussed relative to class content. Students will be exposed to a variety of popular music, arrangements, and standards and will learn to read music in both the classical form and the jazz/popular form.

Class Voice A/H

Number	87315/88315	Level	4.0/5.0
Credit	0.5	Grades	9-12

Prerequisite: Honors by instructor approval

Course Description: This course is designed for students to work on the basic skills of singing, including vocal techniques (in speech and singing) and solo vocal performance. Aspects of breathing, support, diction and a variety of vocal literature will be addressed. Students will work on self-improvement by fostering and developing greater self-awareness, confidence, and expression. The majority of the class time will be spent learning how to sing and training your voice. Students will develop more appreciation for the vocal art, as a cultural force in a civilized world. Students will learn ways in which singing is used in culture and in individual lives.

Drumline H

Number	88445/88440	Level	5.0
Credit	0.5/1.0	Grades	9-12

Prerequisite: Instructor approval

Course Description: Drum Line is performing ensemble consisting of marching drums (snare, multitoms, basses). No previous experience is required. Students should be aware that performances outside of class are required. The drum line will perform at events such as Open House, Pep Rallies, and various sporting events. (Available via Independent Study for Villa students)

Jazz Band H

Number	88455/88450	Level	5.0
Credit	0.5/1.0	Grades	9-12

Prerequisite: Instructor approval

Course Description: The Jazz Band utilizes trumpets, trombones, saxophones, piano, guitar, bass, drums, and vibraphone. As one of the main performing ensembles of the school, this class teaches principles of ensemble playing and personal development related to the Jazz Band. All aspects of performance will be discussed, and students will be expected to perform at concerts and other various functions as determined by the instructor. Students will be exposed to a variety of popular music, arrangements, and standards and the possibility for small combo playing will also be manifest. (Available via Independent Study for Villa students)

Music Independent Study H

Number	88465	Level	5.0
Credit	0.5	Grades	11-12

Prerequisite: Instructor permission and Administration approval

Course Description: The Music Intendent Study course gives students an opportunity to continue exploring music beyond the immediate music offerings at the school. Students will select a focused area of study in music. Students will plan out and implement a variety of projects that could include musical instruments, vocal performance, and vocal recording.

Music Theory AP

Number	88470	Level	6.0
Credit	1.0	Grades	11-12

Prerequisite: Instructor approval

Course Description: Advanced Placement Music Theory is a yearlong course designed to develop and nurture the essential musical skills required of students pursuing a musical degree at the college or university level. Throughout the year, the students will learn ear-training and sight-singing skills, musical terminology, theoretical concepts and compositional techniques, and writing and notational techniques, that are comparable to the skills required of a successful entrance level music major. The course is designed to prepare the student for the Advanced Placement Music Theory Exam at the end of the year. The successful AP Music Theory student may receive partial or full credit from the college or university's entrance level music theory program.

Percussion Ensemble H

Number	88485/88480	Level	5.0
Credit	0.5/1.0	Grades	9-12

Prerequisite: Instructor approval

Course Description: This class is designed to develop the physical techniques of percussion playing as well as ensemble/solo performance skills. Using the instruments of the percussion family (including untraditional electronic instruments), especially melodic instruments, we will explore the various dimensions and functions of percussion through group activity, culminating in several public performances. All aspects of percussion will be discussed including genres, playing styles, musical form, playing techniques, interpretation, and ensemble skills. (Available via Independent Study for Villa students)

VISUAL ARTS

Art Independent Study H

Number	88765	Level	5.0
Credit	0.5	Grades	11-12

Prerequisite: Instructor permission and Administrative approval

Course Description: The Advanced Art course gives students an opportunity to continue exploring art beyond drawing, ceramics, and painting. Students will experiment with other artistic media in both two- and three-dimensional formats. Students will plan out and implement a variety of projects that could include painting, printmaking, mixed media, and different forms of sculpture.

Ceramics 1

Number	87515	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This course is designed to introduce the beginning student to the fundamentals of ceramics. Students will explore a variety of ceramic forming and building techniques. The students will focus on pinch, coil, and slab methods as well as glazing techniques, creating aesthetically pleasing and useful objects from clay. Students will help maintain and clean the studio and equipment.

Ceramics 2 H/Ceramics 3 H

Number	88525/88535	Level	5.0
Credit	0.5	Grades	10-12

Prerequisite: Ceramics 1/2 and Instructor approval

Course Description: This course is designed to engage the experienced student ceramist in further development of pottery and hand-building skills. Students will expound on knowledge gained from the previous course to design and produce more advanced ceramic vessels and sculptures.

Drawing 1

Number	87615	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This is an intermediate level course for students who wish to develop their artistic talent in two-dimensional media. It provides a background in drawing through the use of various drawing media such as pencil, charcoal, ink, pastels and colored pencil. The materials, methods, processes and techniques involved in the study of drawing are investigated. Units presented will integrate all of the above sections of the practice of art, with a focus on studio projects and assignments. Subject matter from still life to the human figure will be explored, as well as subjects from nature.

Drawing 2 H/Drawing 3 H

Number	88625/88635	Level	5.0
Credit	0.5	Grades	10-12

Prerequisite: Drawing 1/2 and instructor approval

Course Description: This advanced level course is designed for students who are seriously interested in further developing their talent in two-dimensional media. This class will encompass an in-depth study of drawing using various media such as pencil, colored pencil, charcoal, pastel, ink/watercolor and mixed media collage. Subject matter will include portraiture, human figure, still life, nature, abstraction and imaginative imagery.

Painting 1

Number	87715	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This intermediate level course is designed for students who are seriously interested in developing their painting skills beyond the basic level. This course serves as an introduction to the intense study of painting and the materials, methods, processes and techniques involved in using the medium. This course also examines the importance of art history, art criticism and aesthetics to the study of the process of painting. Units presented will integrate all of the above sections of the practice of art, with a focus on studio projects and assignments.

Painting 2 H/Painting 3 H

Number	88725/88735	Level	5.0
Credit	0.5	Grades	10-12

Prerequisite: Painting 1/2 and instructor approval

Course Description: This is an advanced level course designed for students who are seriously interested in further developing their painting skills. This two-dimensional and mixed media course is designed to allow students to explore more advanced methods of painting by investigating various subject matter and media. Technical skill in painting with acrylic and watercolor will be emphasized, and students will also be encouraged to experiment with the inclusion of other two-dimensional media, such as paper, ink, pastel, and charcoal. Students will be self-directed to explore the full capability of paint and brush, and to focus on the development of their own style and process. Competence with painting media and tools is expected.

Studio Art AP

Number	88770	Level	6.0
Credit	1.0	Grades	11-12

Prerequisite: Instructor approval

This Advanced Placement course has been designed for students who show an interest in completing the AP Studio Art Portfolio Exam in any of the given areas of study: 2D Drawing, 2D Design, or 3D Design. All content meets the requirements as stated in the AP Studio Art student exam poster. Through direct teacher instruction, group critique, and individual responses, emphasis will be placed on the production of a volume of quality pieces of artwork.

Drawing Portfolio

Students will expand their drawing and two-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts.

2-D Design Portfolio

Students will expand their two-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts.

3-D Design Portfolio

Students will expand their three-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts.

Textile Design

Number	86115	Level	4.0
Credit	0.5	Grades	10-12

Course Description: This course is designed for the student interested in an in-depth exploration of wearable and fabric art. Students will gain a stronger knowledge of textile art forms along with fiber application in wall murals, clothing, and sculpture pieces. Projects will include: Hand Beading, Embroidery, Appliqué, tie-dye, and assemblage.

PERFORMING ARTS

Acting and Stage Craft 1/2 H

Number	87915/87925	Level	4.0/5.0
Credit	0.5	Grades	10-12

Prerequisite: None/Acting and Stage Craft 1 & Instructor Approval

Course Description: This course is designed to teach the practices of basic to advanced sound and lighting design and techniques. Students will learn basic sound editing and recording as well lighting theory, design, and execution. Students will utilize this knowledge to collaborate in the production of the Prep and Villa theatrical presentations at the discretion of the instructor.

Dance Ensemble H

Number	88955	Level	5.0
Credit	0.5	Grades	9-12

Prerequisite: Dance for Non-Dancers or Dance Studies and audition

Course Description: Dance Ensemble is a course designed to expand on the knowledge of dance for the performer. During this course, students will study many genres of dance including ballet, modern, jazz, tap, musical theater dance, hip hop and contemporary. A history for each genre of dance as well as the history of influential people in each respective genre will also be covered. In addition, students will gain experience and knowledge for furthering their dance training to the collegiate level by studying proper nutrition, injury prevention and treatment, choreography and pedagogy. This course is designed to bring an academic component to the dancer while enhancing the technique and diversity of her training for college preparatory and/or professional performance.

Dance for Non-Dancers

Number	87935	Level	4.0
Credit	0.5	Grades	9-12

Course Description: Dance for Non-Dancers is a course designed to introduce an understanding and appreciation of dance. During this course, students will study many genres of dance including ballet, modern, jazz, tap, musical theater, hip hop and contemporary. A knowledge of basic history for each genre of dance will also be established. In addition, students will learn necessary components to the world of dance such as nutrition, dance conditioning and choreography. This course is designed to expose non-dancers to the benefits of dance in their daily academic and athletic lives. Students can take this class more than once, and it will fulfill the pre-requisite for Dance Ensemble.

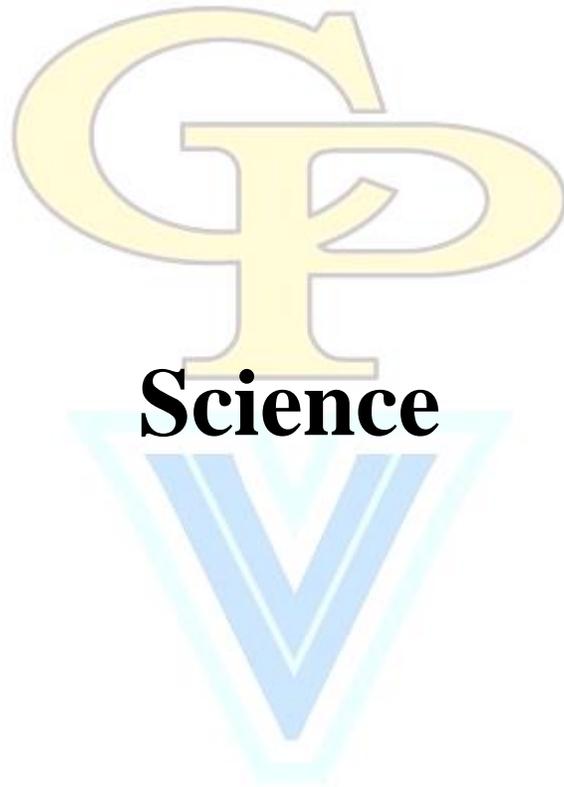
Dance Studies

Number	87945	Level	4.0
Credit	0.5	Grades	9-12

Course Description: Dance Studies is a course designed to further the knowledge and appreciation of dance as an art form. During this course, students will study many genres of dance including ballet, modern, jazz, tap, musical theater, hip hop and contemporary. An understanding of the history for each genre of dance will also be established. In addition, students will learn necessary components to the world of dance such as nutrition, dance conditioning and choreography. This class can be taken more than once. This class will fulfill the pre-requisite for Dance Ensemble.

MVP Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses	1.0 elective at some point in grades 9-12			



Anatomy & Physiology H

Number	48210	Level	5.0
Credit	1.0	Grades	10-12

Prerequisite: Instructor approval. For Honors 88% in Honors Biology or 93% in Academic Biology is required.

Course Description: This course is designed for students interested in pursuing a medically-related career. The course focuses on the biochemistry of cellular processes, as well as the functions of body cells and tissues. The course takes a systems approach to studying physiology and pathology of the body. Students will learn the functions and dysfunctions of the human body by studying structures and processes at a variety of levels including the molecular, cellular, tissue, organ and organ system level. Projects and laboratory investigations will enhance the learning experience.

Biology A/H

Number	42110/42120	Level	4.0/5.0
Credit	1.0	Grades	9-10

Prerequisite: Integrated Science A/H or Appropriate Testing Out.

Course Description: This course presents a rigorous exploration of the concepts in biology, the study of life. Mastery of conceptual knowledge, problem solving, laboratory experiments, preparation of laboratory reports, the use of measurements, and the application of critical inquiry are integrated into the successful completion of the course. Concepts will include: the scientific method and laboratory procedures, matter, biochemistry, cell structure and processes, genetics, evolution, evolutionary classification, viruses, bacteria, protists, fungi, plants, animals, and ecology. Lectures, group work, individual assignments, and laboratory experiments will be incorporated throughout the course. Students at the honors level will engage in deeper analysis in all experiential areas.

Biology AP

Number	48110	Level	6.0
Credit	1.0	Grades	10-12

Prerequisites: 93% in Biology 1 H and Instructor approval.

Course Description: The AP Biology course is a college level course that parallels the initial college course for a Biology major. Biochemistry, cell structure and function, genetics (Mendelian & molecular), energetics along with photosynthesis and respiration are emphasized in the course sequence. The course will examine the processes of evolution that drive the diversity and unity of life as well as the information, energy, and molecular building blocks that operate biological systems.

Chemistry A/H

Number	43110/43120	Level	4.0/5.0
Credit	1.0	Grades	10-11

Prerequisite: Biology.

Course Description: This course develops the theories and principles of general chemistry, emphasizing stoichiometry, thermochemistry, atomic and molecular structure, chemical bonding, properties of materials, solutions, and acid/base chemistry. Laboratory exercises are employed to reinforce basic theory and develop “hands-on” skills. The Honors level is for students of above-average math and science aptitude while the Academic level is suited for students who may not be pursuing the subject any further than the introductory collegiate level.

Chemistry AP

Number	48120	Level	6.0
Credit	1.0	Grades	11-12

Prerequisites: 93% in Chemistry 1 H and Instructor approval.

Course Description: This Chemistry AP course is a second year course equivalent to a first-year college level general chemistry course. It is structured around the six big ideas detailed in the AP Chemistry curriculum framework provided by the College Board. Fundamental principles presented in first year chemistry are reviewed and applied to more complex problems. More advanced topics are also presented including: chemical kinetics, chemical equilibrium, thermodynamics, electro-chemistry, nuclear chemistry, and an introduction to organic chemistry. Laboratory exercises emphasize qualitative/quantitative analysis and are intended to develop proficiency in classical techniques and critical observation. Experiments are coordinated with lectures to reinforce basic theory, and are structured around the seven science practices also delineated in the AP Chemistry curriculum framework provided by the College Board.

Environmental Science A/H

Number	46110/46120	Level	4.0/5.0
Credit	1.0	Grades	11-12

Prerequisite: Biology. For Honors 88% in Honors Biology or 93% in Academic is required.

Course Description: The Environmental Science course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. An applied science that has deep roots in problem solving, environmental science also relies upon the social sciences and humanities to provide a real-world context for the course concepts. Throughout the course, students will search for viable solutions to environmental problems.

Environmental Science AP

Number	48130	Level	6.0
Credit	1.0	Grades	11-12

Prerequisite: 93% in Biology H and Instructor approval.

Course Description: The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. The goal is to provide students with scientific principles, concepts, and methodologies required to understand the interrelationship of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is an interdisciplinary study that draws from the biological, physical, chemical and earth sciences, as well as social sciences such as economics, politics, and sociology. Laboratory and field work are essential components of the course.

Forensic Science A/H

Number	46130/46140	Level	4.0/5.0
Credit	1.0	Grades	11-12

Prerequisite: For Honors 88% in Honors Biology or 93% in Academic is required.

Course Description: Forensic Science is a course designed to introduce the student to practical applications of chemistry, physics, and biology in the study of forensics. This course will provide students with an introduction to the theoretical understanding and practical application of forensic science techniques including crime scene investigation and evidence collection, hair and fiber analysis, fingerprinting, blood and blood spatter analysis, and other topics. The culmination of the course will include the analysis of a mock crime scene.

Independent Research: Science H/Advanced

Number	48985/48995	Level	5.0/6.0
Credit	0.5	Grades	11-12

Prerequisite: Instructor permission and Administrative approval

This course is designed for those who have a special academic goal which is not otherwise offered in the department. Students must choose their own curriculum, learning resources, and ways to prove what they learn throughout the course. Students may choose a curriculum ranging from approved online open-source courses, traditional styles involving textbooks and study guides, or a self-designed curriculum built around well researched independent sources.

A minimum amount of assignments will be required for a grade and students will be required to report to a supervising teacher for selection/development and approval of all course curricula. Students will be required to record progress daily. Students must meet minimum grade, conduct and goal requirements and apply for course enrollment.

Integrated Science A/H

Number	41110/41120	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This course is designed to provide the student with a broad-based science curriculum with interdisciplinary components. The curriculum is designed such that the student gains an introductory base of content knowledge and laboratory skills in each of the major scientific disciplines. Units of study include: science and technology, motion, forces and energy, energy in motion, forms of energy, matter and earth materials, and interactions of matter. STEM education approaches are infused throughout. Students taking this course will experience science through engaging inquiry, problem solving, and project-based learning activities. Students at the honors level will engage in deeper analysis in all three experiential areas.

Physics A/H

Number	44110/44120	Level	4.0/5.0
Credit	1.0	Grades	12

Prerequisite: Chemistry

Course Description: The main goal of this course is to gain a thorough respect and understanding of some of nature's laws and mysteries by experiencing them in the classroom, lab and at home, discussing and conceptualizing their principles, systems and terminology, modeling and applying them, using mathematics, interpreting them to explain some of nature's common phenomena, and forecasting, speculating and using them to make sense of things that are not intuitive or do not at first make logical sense. The most prevalent laws of Physics are studied, some of which are apparent, and we already have experience with, some of which are counterintuitive.

Physics 1 AP

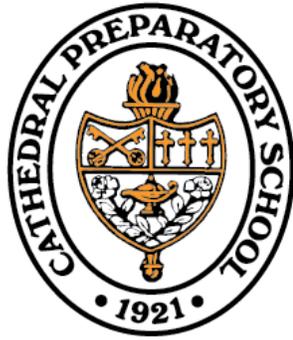
Number	44130	Level	6.0
Credit	1.0	Grades	12

Prerequisite: Chemistry 1 Honors/AP and Instructor approval

Course Description: The AP Physics course is an accelerated college-preparatory course that is structured by the AP Physics B curriculum framework provided by the College Board. The theory and principles of general Physics are developed, emphasizing mechanics (statics and dynamics), vibration and wave theory as applied to sound and optics, thermodynamics, electrostatics and electric current and magnetism. Concurrent study of calculus is helpful, but not required. Laboratory exercises are coordinated with lectures to reinforce basic theory.

Science Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses Academic	Int. Science A	Biology A	Chemistry A	Physics A
Required Courses Honors	Int. Science H	Biology H	Chemistry H	Physics H
Required Courses Advanced	Biology H	Chemistry H	Student Choice	Physics 1 AP
Electives		Biology AP	Biology AP Chemistry AP Ind. Study Sci. Enviro. Sci. A/H Enviro Sci. AP Forensic Sci. A/H Anat. & Phys. H	Biology AP Chemistry AP Ind. Study Sci. Enviro. Sci. A/H Enviro Sci. AP Forensic Sci. A/H Anat. & Phys. H



Social Studies & Air Force Junior ROTC



World History 1 A/H

Number	51110/51120	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This course will integrate the history of the east and west in a survey course covering the time period beginning with 3000 B.C. up to 1800. The focus will be on themes that serve as unifying threads, helping students to see what is peculiar about each time period and providing ways to make comparisons of these ideas over time. The themes include but are not limited to: The impact of interaction among major societies; the relationship of change and continuity over time; the impact of technology on people and the environment; systems of social and gender structure; cultural and intellectual developments; and growth of states and political identities. The honors' level will require deeper analysis of sources and more advanced discourse on themes and connections.

Human Geography AP

Number	51130	Level	6.0
Credit	1.0	Grades	9

Prerequisite: Administrative placement based on grade school transcripts

Course Description: AP Human Geography is a freshman course designed to introduce students to the systematic study of the various patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. The physical, political, economic, demographic, and social characteristics of human populations and their impact on the earth's environment will be explored and closely examined. Employing the Five Geographic Themes and AP Human Geography's seven core topics, students will be equipped with the critical thinking and analytic skills necessary to synthesize geographic data and to recognize causal relationships. From classroom lectures, presentations, research projects, and outside reading, students will be empowered with the tools and information required to be well prepared for the Advanced Placement exam given at the end of the school year.

World History 2 A/H

Number	52110/52120	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: World History I A/H.

Course Description: This course will integrate the history of the east and west in a survey course covering the time period beginning with the Scientific Revolution and the Enlightenment up to present day. The focus will be on themes that serve as unifying threads, helping students to see what is peculiar about each time period and providing ways to make comparisons of these ideas over time. The themes include but are not limited to: the impact of interaction among major societies; the relationship of change and continuity over time; the impact of technology on people and the environment; systems of social and gender structure; cultural and intellectual developments; and growth of states and political identities. The honors' level will require deeper analysis of sources and more advanced discourse on themes and connections.

World History: Modern AP

Number	52130	Level	6.0
Credit	1.0	Grades	10

Prerequisite: AP Human Geography or World History 1 H

Course Description: In this course students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

US History A/H

Number	53110/53120	Level	4.0/5.0
Credit	1.0	Grades	11

Prerequisite: World History II A/H

Course Description: This course is intended to give students an understanding of and an appreciation for the history of the United States. Students will develop their ability to evaluate historical context, historical significance, and the concept of cause and effect as it pertains to history. History is a discipline that interprets and analyzes the past. It is a narrative--a story. In order to tell the story it is not sufficient to simply recall facts; it is also necessary to understand the context of the time and place and to apply historical thinking skills. The honors' level will require deeper analysis of sources and more advanced discourse on themes and connections.

US History AP/AS

Number	53130	Level	6.0
Credit	1.0	Grades	11

Prerequisite: World History II AP or World History II H

Course Description: This course is a yearlong study of American history which includes the topics of the age of exploration and discovery, colonial American life, the American Revolution, adoption of the Constitution, Jeffersonian and Jacksonian Democracy, and the reform movements of the nineteenth century. Other topics included are the Civil War, Reconstruction, rise of immigration and industrialism, World War I and the Great Depression, the New Deal and World War II, the Cold War, the US as a post-Cold War victor, and America as it enters the twenty-first century.

US Government and Politics A/H

Number	54115/54125	Level	4.0/5.0
Credit	0.5	Grades	12

Prerequisite: United States History A/H

Course Description: American Government is designed to provide students with a basic understanding of the American political system, enabling them to become responsible citizens committed to preserving and enhancing American constitutional democracy. Students will study the purpose, structure, and functions of government at all levels as well as gain an understanding of the political process and the role of law. The honors' level will require deeper analysis of sources and more advanced discourse on themes and connections.

US Government and Politics AP/AS

Number	54135	Level	6.0
Credit	0.5	Grades	12

Prerequisite: US History AP or US History H

Course Description: This course will step students through the basic understanding of the United States Government and Politics. The Advanced Placement course is specifically designed to give students an analytical perspective of government and politics in the United States of America. The course also examines the various institutions, belief systems, ideas and groups that compose the Government and Political systems within the country.

Child Psychology A/H

Number	56115/65125	Level	4.0/5.0
Credit	0.5	Grades	11-12

Prerequisite: None

Course Description: The purpose of this course is to examine human development from infancy to adolescence. The field of Child Psychology (also known as Developmental Psychology) focuses on a broad range of topics including physical, emotional, and social development of the individual. The class will feature social theories in the areas of problem solving, moral development, language acquisition, and personality development. The class will also introduce students to different physical and mental disabilities that affect children today.

Comparative Government and Politics AP

Number	56715	Level	6.0
Credit	0.5	Grades	12

Prerequisite: US History AP or US History H

Course Description: The AP Comparative Government and Politics course focuses on government and politics in other countries and provides a theoretical framework to compare political systems around the world. Students will grasp the political complexities of our global environment, and gain understanding of both commonalities and differences among modern political systems.

Debate H

Number	55115	Level	5.0
Credit	0.5	Grades	9-10

Course Description: This class is designed to introduce students to analysis and critical thinking, argumentation concepts and to the activity of high school debate. Both Lincoln Douglas debate and traditional Policy/team debate may be elected by the student who will have to compete during the course.

General Psychology A/H

Number	56215/56225	Level	4.0/5.0
Credit	0.5	Grades	11-12

Course Description: Psychology is the science that studies human behavior and mental processes. Psychology is a semester course which provides students with a basic understanding of human behavior. Included in the course are units on brain function and perception, motivation, developmental psychology, personality, learning and intelligence, abnormal behavior, and methods and research. The text is supplemented by a reading list comprised of fiction and nonfiction books from which the student may choose as well as psychological journal publication.

Independent Study: Social Studies H/Advanced

Number	58985/58995	Level	5.0/6.0
Credit	0.5	Grades	11-12

Prerequisite: Instructor permission and Administrative approval

This course is designed for those who have a special academic goal which is not otherwise offered in the department. Students must choose their own curriculum, learning resources, and ways to prove what they learn throughout the course. Students may choose a curriculum ranging from approved online open-source courses, traditional styles involving textbooks and study guides, or a self-designed curriculum built around well researched independent sources.

A minimum amount of assignments will be required for a grade and students will be required to report to a supervising teacher for selection/development and approval of all course curricula. Students will be required to record progress daily. Students must meet minimum grade, conduct and goal requirements and apply for course enrollment.

Macroeconomics AP

Number	56735	Level	6.0
Credit	0.5	Grades	11-12

Course Description: The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Microeconomics AP

Number	56745	Level	6.0
Credit	0.5	Grades	11-12

Course Description: The purpose of this course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Movie History A/H

Number	56315/56325	Level	4.0
Credit	0.5	Grades	10-12

Course Description: This class will take students from the birth of movies to the present day. The class will break down and discuss the movies we watch in class and do an analysis of each film. Students will also watch and analyze two out of class movies and write a critique of each. The class will see fifteen movies in the course of the semester; some movies just in parts and others in whole. We will examine how the movies were made from all aspects; filming, editing, sound, music, actors and directors.

Sociology A/H

Number	56415/56425	Level	4.0/5.0
Credit	0.5	Grades	11-12

Course Description: Sociologists investigate the complex web of social relationships and how people interact within these contexts. Since human nature is shaped by social factors, it is essential to study relationships at many levels from small groups such as family and peers to giant organizations that span the globe. Sociology allows students to look at this intricate mosaic of life with a perspective that helps them to understand their places in it, and to cope with a changing world.

Theories of Leadership AS

Number	58725	Level	6.0
Credit	0.5	Grades	11-12

Prerequisites: Instructor approval, involvement in student leadership (Student Council, National Honor Society, Key Club/Interact, Diversity Club, class office, etc.)

Course Description: This course is designed to acquaint students with multiple theories and practices associated with effective leadership. In answering the question, “What is leadership?” it examines such theories as situational, participative, transformational, and servant leadership. Consideration is given to issues of followership and the many roles we play in life. The class also addresses those leadership and administrative skills and practices usually associated with effective professional management.

AFJROTC/Social Studies 1: Global and Cultural Studies 1 A/H

Number	51210/51220	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This is the first year of a two-year course of instruction in Global Awareness. Global Awareness is a customized course about the world’s cultures. The course is specifically created for the U.S. Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world’s cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. The honors’ level will require deeper analysis of sources and more advanced discourse on themes and connections. Classes are also conducted in the proper wear of the uniform, military traditions, the history of JROTC, basic military drill maneuvers, military customs and courtesies, and respect for the flag and its traditions. In addition, students will participate in the Presidential Fitness Challenge. All students enrolled in this course are required to be members of Prep’s AF JROTC corps and must wear the AF JROTC uniform (provided at no cost to students) on a prescribed uniform wear day each week. The program typically has two mandatory events though out the year that will require student attendance.

AFJROTC/Social Studies 2: Global and Cultural Studies 2 A/H

Number	52210/52220	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: AFJROTC/Social Studies 1: Global and Cultural Studies 1 A/H or World History 1 A/H

Course Description: This is the second year of a two-year course of instruction in Global Awareness. Global Awareness is a customized course about the world's cultures. The course is specifically created for the U.S. Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. The honors' level will require deeper analysis of sources and more advanced discourse on themes and connections. Classes are also conducted in more advanced phases of military drill and color guard, along with classroom instruction in both verbal and written forms of communication, performance feedback, the 'followership' aspect of leadership, and health and wellness topics specific to male adolescents. In addition students will participate in the Presidential Fitness Challenge. All students enrolled in this course are required to be members of Prep's AF JROTC corps and must wear the AF JROTC uniform (provided at no cost to students) on a prescribed uniform wear day each week. The program typically has two mandatory events throughout the year that will require student attendance.

AFJROTC 3: Exploring Space A/H

Number	53210/53220	Level	4.0
Credit	1.0	Grades	11

Prerequisite: AFJROTC/Social Studies 2 A/H or World History 2 A/H

Course Description: This is a science course that includes the latest information available in space science and space exploration. The course covers the space environment; manned and unmanned spaceflight; space technology; and exploring, living, and working in space. All throughout the course are scenarios, video segments, "hands-on" activities, and technology enrichment activities. Classes also cover Life Skills and Career Opportunities. Students will learn how to become a more confident financial planner. They will learn about real life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money saving strategies for grocery shopping, apartment selection, and life with roommates. To help students increase their potential for success through education, they will learn how to select a school that is right for them and how to succeed in their chosen learning environment. Information is provided on how to conduct the job search for students who wish to enter the workforce right after high school or after additional education and training. The text also provides information on working for the federal government to include careers in the military, aerospace industry, and public service. Finally, students will consider the most important elements of life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration. In addition students will participate in the Presidential Fitness Challenge. All students enrolled in this course are required to be members of Prep's AF JROTC corps and must wear the AF JROTC uniform (provided at no cost to students) on a prescribed uniform wear day each week.

AFJROTC 4: Management of the Cadet Corps A/H

Number	54210/54220	Level	4.0/5.0
Credit	1.0	Grades	12

Prerequisite: AFJROTC/Social Studies 2 A/H or World History 2 A/H

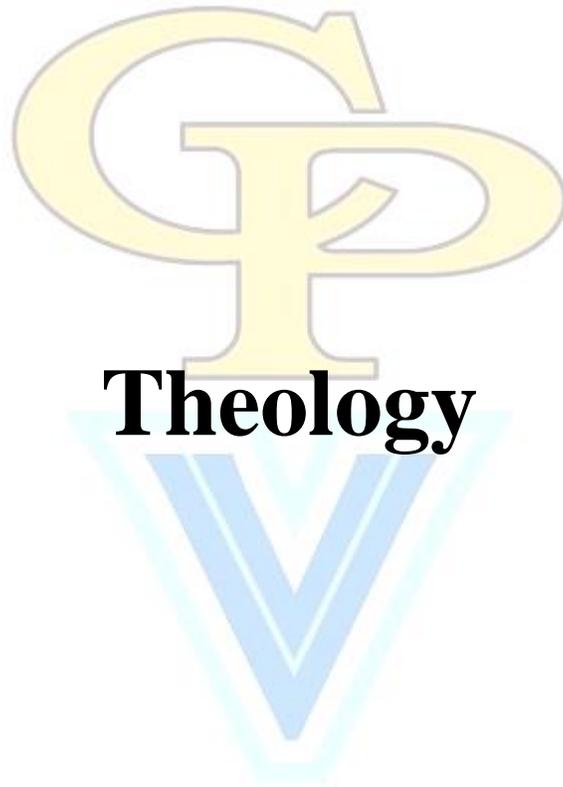
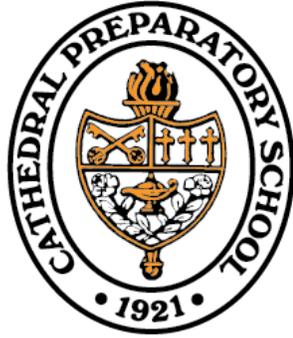
Course Description: This project is provided for those students who want to continue on in AFJROTC during their senior year and receive honors credit. Cadets earn Honors Credit for a more demanding version of “Management of the Cadet Corps.” This culminating honors project is designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. Cadet skills in analysis, logic, and creativity will also be showcased through successful completion of this project. Students can demonstrate these Honors skills in three ways: through completion of a JROTC-recognized college course, through completion of a research paper, or through completion of a physical project.

The Honors Senior Project is primarily targeted for senior cadets in a three- or four-year program. However, Juniors who are academically successful cadets enrolled in Advanced Placement and other Honors courses may enroll in this course with SASI approval.

Cadets in this course will also complete the Leadership Education and Wellness portions of the “Management of the Cadet Corps” course. Therefore, the course also delves into Principles of Management, a guide to understanding the fundamentals of management, managing yourself, and others. Emphasis is placed on allowing the student to see himself as a manager. The course considers four building blocks of leadership, from both the military and civilian perspectives: management techniques; management decisions; management functions; and managing self and others. In addition, students will participate in the Presidential Fitness Challenge. All students enrolled in this course are required to be members of Prep-Villa’s AF JROTC corps and must wear the AF JROTC uniform (provided at no cost to students) on a prescribed uniform wear day each week.

Social Studies/Air Force Junior ROTC Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses Academic	World History 1 A or Global/Cultural Studies 1 A	World History 2 A or Global/Cultural Studies 2 A	U.S. History A	U.S. Gov. & Pol. A
Required Courses Honors	World History 1 H or Global/Cultural Studies 1 H	World History 2 H or Global/Cultural Studies 2 H	U.S. History H	U.S. Gov. & Pol. H
Required Courses Advanced	AP Human Geography	World History: Modern AP	AP U.S. History	AP/AS U.S. Gov. & Pol. H
Electives	Debate H	Debate H	Child Psych. A/H General Psych. A/H Macroeconomics AP Microeconomics AP Movie History A/H Sociology A/H Theories of Leadership AS AFJROTC 3	Child Psych. A/H Comp. Gov. AP General Psych. A/H Microeconomics AP Macroeconomics AP Movie History A/H Sociology A/H Theories of Leadership AS AFJROTC 3/4



Theology

Theology 1 H

Number	11110	Level	5.0
Credit	1.0	Grades	9

Course Description: The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scripture. Through their study of the Bible they will come to encounter the mystery of Jesus Christ the living Word of God, the Second Person of the Blessed Trinity. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally. Finally, in this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

Theology 2 H

Number	12110	Level	5.0
Credit	1.0	Grades	10

Prerequisite: Theology 1 H

Course Description: The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails and understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and about the sacred nature of the Church.

Theology 3 H

Number	13110	Level	5.0
Credit	1.0	Grades	11

Prerequisite: Theology 2 H

Course Description: The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. This course will also help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Theology 4 H

Number	14110	Level	5.0
Credit	1.0	Grades	12

Prerequisite: Theology 3 H

Course Description: The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. The course emphasis on service is also to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Campus Ministry

Number	17115	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This course is designed to introduce students to the principles of effective Christian ministry. Students will learn the historical and biblical foundations of ministry while at the same time gaining skills to be Christian leaders in their school, community, and place of worship. Topics covered in the class include: facilitating retreats, liturgy planning, youth ministry, public speaking in faith environments, service projects, alternative break trips, pastoral ministry, and education for peace and justice. Inherent to the course is an emphasis on identity formation, vocational awareness, and opportunities for personal growth.

Death and Dying

Number	17125	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This course allows students to focus in on questions of death and dying and on life and living. The work will emphasize the topics of grief, bereavement, aging, and the dying process as it relates to individuals and to caregivers. These topics will be considered with awareness of history and of various cultures with the central stress being on the present and on American multi-culture. Students will consider as well how such topics are complicated by issues of race, class, gender, cultural values, etc. Although the focus on various topics at different points in the semester allows students to consider many areas, there is much interweaving of the materials of this course.

Faces of Good and Evil

Number	17135	Level	4.0
Credit	0.5	Grades	9-12

Course Description: The purpose of this course is to examine the nature of good and evil, emphasizing the biblical response and Catholic Tradition. In this course, students will examine the nature of personal responsibility, free will, grace, sin, temptation, sacrifice, courage, wisdom, hope, stewardship, and love. The course presents the questions: Is human nature good or evil? Did God create evil? How does evil enter the world and persist? What does God do about evil? How are we supposed to respond to evil? These fundamental questions are then examined through epic literature presented in film, specifically the Lord of the Rings Trilogy by J.R.R Tolkien. Through this epic myth, students will identify traditional themes of Catholic theology in the guise of a fantasy sub creation.

Sacred Architecture

Number	17145	Level	4.0
Credit	0.5	Grades	9-12

Course Description: This course is an introductory survey and comparison of major architectural monuments and styles, focusing upon sacred buildings, such as temples, mosques, churches and shrines worldwide. We will emphasize the religious and cultural contexts of architecture and study how space, design and form suit ritual needs. Emphasis will be placed on identifying interpretive methods for understanding the nature and form of sacred places. Student projects will involve analyzing architecture, “reading a church,” in the Erie area within the larger context of world architectural history.

World Religions A/H

Number	17155/17255	Level	4.0/5.0
Credit	0.5	Grades	10-12

Course Description The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God’s Revelation, the course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities, as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems -of belief and practice differ from the Catholic faith.

Biomedical Ethics A/H

Number	17165/17265	Level	4.0/5.0
Credit	0.5	Grades	10-12

Course Description: This course is also designed to give students a unique historical perspective of the role of the Catholic Church in healthcare and community development while also exposing them to a variety of contemporary issues involving the healthcare and surrounding industry. Using this historical, spiritual, and institutional understanding, students will walk through various ethical issues involving healthcare, procedures, and treatment at various points in an individual’s life. Instructional methods will range from direct instruction, to group discussions, and case studies.

Theology Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses	Theology 1 H	Theology 2 H	Theology 3 H	Theology 4 H
Electives	Campus Ministry Death & Dying Faces of Good & Evil Sacred Architecture	Campus Ministry Death & Dying Faces of Good & Evil Sacred Architecture World Religions Biomedical Ethics	Campus Ministry Death & Dying Faces of Good & Evil Sacred Architecture World Religions Biomedical Ethics	Campus Ministry Death & Dying Faces of Good & Evil Sacred Architecture World Religions Biomedical Ethics



World Languages

French 1 A/H

Number	91110/91120	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This course offers a basic approach to the French language as it is used in real-life situations, with emphasis on the capacity to translate from English to French. This course is also designed to help students develop sensitivity to the cultural and linguistic heritage of other groups as well as understand their influence on American culture. The honors level will require deeper analysis of sources and more advanced study of course topics.

French 2 A/H

Number	92130/92140	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: French 1 A/H

Course Description: This course relies on the material covered in French I to further explore the French language as it is used in real-life situations, with continued emphasis on the capacity to translate from English to French. This course is also designed to deepen the student's sensitivity to the cultural and linguistic heritage of other groups while further studying the influence of the French language on American culture. The honors level will require deeper analysis of sources and more advanced study of course topics.

French 3 H

Number	93150	Level	5.0
Credit	1.0	Grades	11-12

Prerequisite: 88% in French 2 H and instructor approval.

Course Description: This course relies on the material covered in French 2 to further explore the French language as it is used in real-life situations and in literature. It is also designed to deepen the student's knowledge and awareness of the world at large through the lens of the French language.

French 4 H

Number	94165	Level	5.0
Credit	0.5	Grades	12

Prerequisite: 88% in French 3 H and instructor approval

Course Description: This course relies on the material covered in French 3 to deepen one's understanding of the French language in all aspects of the human endeavor. It widens the scope of the student's knowledge and awareness of the world at large through the lens of the French language. This course prepares the student to address the demands of the university environment.

Latin 1 A/H

Number	91210/91220	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: This course comprises a blend of the traditional grammar/translation method with reading comprehension and audio-lingual methods. Students learn basic vocabulary, grammar, and syntax, and through the reading of adapted texts of original Roman authors, and will also be introduced to the culture of ancient Rome. The course also helps students to identify, explain, and appreciate the many elements of the classical tradition in our own modern culture. The honors level will require deeper analysis of sources and more advanced study of course topics.

Latin 2 A/H

Number	92230/92240	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: Latin 1 A/H

Course Description: This course refines a student's ability to comprehend and translate increasingly more complex Latin texts. The course also enables the student to explore the rich heritage of Latin literature and the classical tradition in western culture through the reading of a variety of medieval, Renaissance, and early modern European writers. Students will thus be able to identify, explain, and appreciate the many elements of the classical tradition and the Latin language in our own modern culture. The honors level will require deeper analysis of sources and more advanced study of course topics.

Latin 3 AS

Number	93250	Level	6.0
Credit	1.0	Grades	11-12

Prerequisite: 88% in Latin 2 H and instructor approval

Course Description: This course aims to help a student to comprehend and translate Latin passages with ease and understanding. The course also enables the student to explore the rich heritage of Latin literature through the reading of either Julius Caesar's *Commentarii de Bello Gallico* or Vergil's *Aeneid* (the reading alters every year). In addition, students will complete projects about selected passages with a view to elucidating themes, motifs, or historical contexts with textual supporting details. Students will also learn how to identify and scan the meters in Latin poetry, if reading Vergil. The course has AS designation as the curriculum links with the University of Pittsburgh's College in High School program expectations.

Latin 4 AS

Number	94265	Level	5.0
Credit	0.5	Grades	12

Prerequisite: 88% in Latin 3 AS is required and instructor approval

Course Description: This course aims to help a student to comprehend and translate Latin passages with ease and understanding. The course also enables the student to explore the rich heritage of Latin literature through the reading of either Julius Caesar's *Commentarii de Bello Gallico* or Vergil's *Aeneid* (the reading alters every year). In addition, students will complete projects about selected passages with a view to elucidating themes, motifs, or historical contexts with textual supporting details. Students will also learn how to identify and scan the meters in Latin poetry, if reading Vergil.

Spanish 1 A/H

Number	91310/91320	Level	4.0/5.0
Credit	1.0	Grades	9

Course Description: Students develop the ability to communicate in the target language about themselves and their immediate environment using simple sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading and writing - with emphasis on the ability to communicate orally and in writing. Students begin to explore and study the themes of personal and family life, school life, social life, and community life. Through the course students will learn various aspects of the life and culture of Spanish speaking countries. The honors level will require deeper analysis of sources and more advanced study of course topics.

Spanish 2 A/H

Number	92330/92340	Level	4.0/5.0
Credit	1.0	Grades	10

Prerequisite: Spanish 1 A/H

Course Description: Students develop the ability to communicate in the target language about themselves and their immediate environment using complex sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading and writing - with emphasis on the ability to communicate orally and in writing. Students continue to explore and study the themes of personal and family life, school life, social life, and community life. Through the course students will learn various aspects of the life and culture of Spanish speaking countries. The honors level will require deeper analysis of sources and more advanced study of course topics.

Spanish 3 H

Number	93350	Level	5.0
Credit	1.0	Grades	11-12

Prerequisite: 88% in Spanish 2 H and instructor approval

Course Description: Students develop the ability to communicate in the target language about themselves and their immediate environment using complex sentences containing basic language structures. This communication is evidenced in all four language skills - listening, speaking, reading and writing - with emphasis on the ability to communicate orally and in writing. Students continue to explore and study the themes of personal and family life, school life, social life, and community life. Through the course students will learn various aspects of the life and culture of Spanish speaking countries

Spanish 4 H

Number	94365	Level	5.0
Credit	0.5	Grades	12

Prerequisite: 88% in Spanish 3 H and instructor approval

Course Description: Students further develop the ability to communicate in the target language about not only themselves, but in a variety of environments using complex sentences containing advanced language structures. This communication is evidenced in all four language skills - listening, speaking, reading and writing - with emphasis on the ability to communicate orally and in writing. Students will explore and study the themes of Leisure Activities, Around the Neighborhood, Cultural Excursions, School Activities, Careers and Literature. Through the course students will learn various aspects of the life and culture of Spanish speaking countries.

World Language Sequence:

	Freshmen Year	Sophomore Year	Junior Year	Senior Year
Required Courses Academic	French 1 A Latin 1 A Spanish 1 A	French 2 A Latin 2 A Spanish 2 A		
Required Courses Honors	French 1 H Latin 1 H Spanish 1 H	French 2 H Latin 2 H Spanish 2 H		
Electives			French 3 H Latin 3 AS Spanish 3 H	French 4 H Latin 4 H Spanish 4 H