

**Melbourne Central
Catholic High School
2023-2024 Course Catalog**



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Florida 32901

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www.melbournecc.org

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Mission Statement

Rooted in the tradition of St. Francis of Assisi, Melbourne Central Catholic High School is a transformative, college preparatory high school that develops young men and women in an inclusive community to become servant leaders of our global society.

Background

Accredited by the Florida Catholic Conference. Melbourne Central Catholic High School, a co-educational Catholic high school in the Diocese of Orlando, serves all of Brevard County and surrounding counties, in the State of Florida.

We expect MCC students to carry seven (7) courses per year for their entire school experience. Enrollment in Honors and Advanced Placement courses requires successfully meeting prerequisites and teacher or counselor recommendation.

Our school counselors assist students with course selection and college planning.

MCC Student Services/Guidance

(321) 727-0793

Name	Role	Email	Phone ext.
Belfatto, Lisa	Student Counselor (M-Z last names)	BelfattoL@melbournecc.org	402
Eller, Carrie	Student Counselor (A-L last names)	EllerC@melbournecc.org	401
Guthrie, Carol	Assistant Principal, Academic Support	GuthrieC@melbournecc.org	600
Thomson, Lisa	Office Admin	ThomsonL@melbournecc.org	400

MCC Graduation Requirements

Theology Transfer students must earn one credit for each year of attendance at MCC	4.0 Credits
English	4.0 Credits
Mathematics Includes Algebra 1 and Geometry	4.0 Credits
Science Includes Biology and Chemistry	3.0 Credits
Social Studies Includes World History, U.S. History, U.S. Gov't, Economics	3.0 Credits
World Language Includes two consecutive years of the same language	2.0 Credits
Physical Education Includes HOPE	1.0 Credit
Practical Arts Includes one complete or combined credit from Art, Music, or Computer Science	1.0 Credit
Community Service (25 hours/year)	100 Hours/4 years

Course Selection Process

- Course Catalog revision in October/November of each year
- Classroom presentations reviewing course offerings (January)
- Students complete course requests through FACTS/Renweb (February)
- Individual appointments with the school counselors (February)

Sample Schedule by Year

Freshman	Sophomore	Junior	Senior
English	English	English	English
Math	Math	Math	Math
Theology	Theology	Theology	Theology
Science	Science	Science	Social Studies
Social Studies	Social Studies/Elective	Social Studies	Elective
World Language/Elective	World Language	Practical Art/Elective	Elective
HOPE	Elective	Elective	Elective

Course Descriptions

Academic Support

Learning Strategies

0.5 Credit

Grades 9-12

This course is designed to assist students in developing learning and study strategies that they will apply independently across the curriculum. During the course, students analyze their individual learning styles and learning modes and how these impact the student's approach to study. Other topics presented and applied to daily schoolwork include goal setting, organization, and time management, listening skills, note-taking techniques, reading textbooks, writing strategies, memory strategies, and preparation for taking tests. Course materials include related handouts, and the textbooks students utilize during the academic year. This course may be required of some incoming 9th grade students. This course may be repeated based on counselor recommendation.

Prerequisite: Student Services Recommendation

Peers as Partners in Learning (PIT CREW)

1 Credit

Grade level: 12

Students intending to enroll in this course must complete an application from the Academic Support Office. Students must be in good standing academically, with the Student Services offices, and should not have a significant number of school absences (excused or unexcused). For more information, please see the Director of the Academic Support Department. This course provides students enrolled with a reciprocal academic and social benefits to students with disabilities and their peers without disabilities. Students enrolled in this course will learn and apply knowledge and skilled practices in the areas of academic engagement, communication, social barriers, leadership, problem solving, and other disability related topics such as historical perspectives, inclusion, Universal Design for Learning, person-first language, presumed competence, and media representation of diverse people. Students enrolled in this course will serve assisting in specific classes or working with special education students.

Prerequisite: Students intending to enroll in this course must complete an application from the Academic Support Office.

Intensive Math

1 Credit

Grade level: 9

Must be taken concurrently with Algebra 1 This course is a double-block course designed to provide students with support in the development of math skills. Students will work on math competencies to enhance mathematical performance. Topics include sets, variables, structure and properties of the real number system, first-degree equations/inequalities, relations, functions, graphs, systems of linear equations/inequalities, integral exponents, polynomials, rational algebraic expressions, irrational numbers, quadratic equations, and mathematical problems. A TI-84+ CE graphing calculator is required for this course.

Prerequisite: Student Services Recommendation.

Intensive Language Arts **1 Credit**
Grade Level: 9-10

This course is designed for 9th and 10th grade students. The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills, so they are able to successfully read and write grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. The course will also emphasize the development and use of fundamental writing skills. Students enrolled in the course will engage in research, write in response to reading, and cite evidence to answer text dependent questions both orally and in writing.

Prerequisite: Student Services Recommendation

Computer Science

Introduction to Programming **0.5 Credit**

This is an introductory course to computer science. Students will program in Javascript to create animations and games. Students will also be introduced to coding for robotics.

Computer Applications **0.5 Credit**

Students will explore computer skills and applications needed on a personal, school/college, and career level. The focus of this course is to provide knowledge and skills associated with computer skills needed in a student's future, regardless of career choice. A hands-on approach is used to create word processing documents, spreadsheets, charts, presentations, and databases using Office 365, Google APPs, and Adobe Creative Cloud.

Programming in Python **0.5 Credit**

This is an introductory coding course that requires no previous coding experience. Students will learn Python in an interactive environment with graphics and animations. Students will start with the basics of variables, looping and conditional statements and then will explore graphics, random numbers, event handling and arrays. **Prerequisite:** Currently taking geometry

AP Computer Science Principles **1 Credit**

The course is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students do programming in JavaScript. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. **Prerequisite:** Intro to Programming, Programming in Python, or seniors in advanced math classes

Introduction to Cybersecurity

0.5 Credit

Cybersecurity is a topic of growing importance as our world becomes increasingly dependent on technology. It is crucial that companies and individuals take precautions to protect themselves from the growing threat of cyber-attacks. This course prepares students with crucial skills to be responsible citizens in a digital future. Introduction to Cybersecurity is the first online blended K12 cybersecurity course and is designed for students with some exposure to computer science, but there are no specific course prerequisites. Topics included are foundational cybersecurity topics including digital citizenship and cyber hygiene, and the basics of cryptography.

AP Computer Science A

1 Credit

The course is fully aligned to the College Board AP CS A course standards. Learn the basics of object-oriented programming in Java with a focus on problem solving and algorithm development. The year concludes with students taking the AP CS A Exam. **Prerequisite:** AP Computer Science Principles

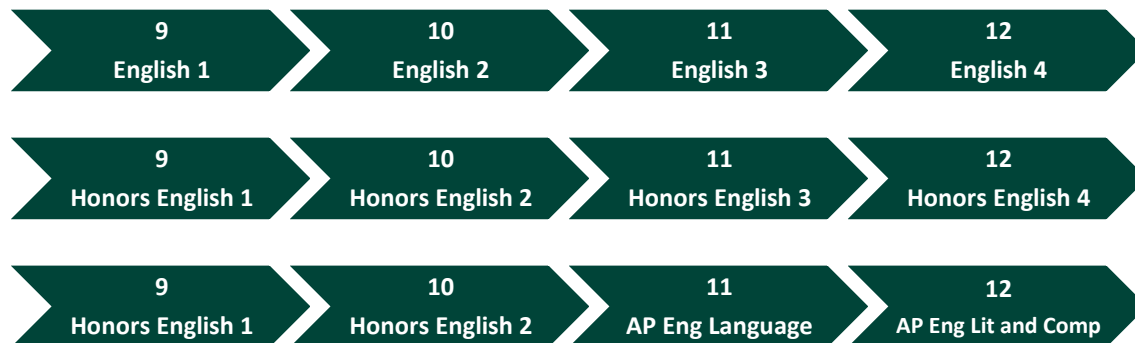
Introduction to Technology

0.5 Credit

Students will identify the ways that use of technology affects humans, including their safety, comfort, choices, and attitudes about technology's development and use. In this course students will demonstrate an understanding of the cultural, social, economic, and political effects of technology. Topics will include animation, 3D Printing and Web Design.

English

Sample Course Maps



We determine placement in English courses for incoming ninth graders based on a review of elementary/middle school grades, the MCC entrance test, and standardized test scores.

English 1

1 Credit

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from varied literary periods. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies.

Honors English I**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from varied literary periods. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies and prepare students for our sequential four-year honors and Advanced Placement English curriculum.

Prerequisite: Incoming 9th grade students must score in the 70th percentile or above on the standardized testing or entrance exam in reading and an A in their previous school year Language Arts Course. This course is designed for freshmen who have demonstrated above grade level skills in English Language Arts.

English II**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from World Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies.

Prerequisite: English I

Honors English II**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from World Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies and prepare students for our sequential four-year honors and Advanced Placement English curriculum.

Prerequisite: "B" or above in English I Honors or an "A" in English 1 each semester. This course is designed for sophomores who have demonstrated above grade level skills in English I.

English III**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from American Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies.

Prerequisite: English II

Honors English III**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from American Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies and prepare students for our sequential four-year honors and Advanced Placement English curriculum.

Prerequisite: “B” or above in English II Honors or an “A” in English 2 each semester. This course is designed for Juniors who have demonstrated above grade level skills in English II.

English IV**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from British Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies.

Prerequisite: English III

Honors English IV**1 Credit**

The course acquaints students with literary genres through the analysis of short stories, novels, poetry, drama, and essays from British Literature. Grammar, usage, and vocabulary enhance the writing process which includes writing for varied purposes, using text-based evidence and reasoning to develop and support claims, and responding to literature for personal and analytical purposes. Class discussions and collaboration help develop effective listening, speaking, and viewing strategies.

Prerequisite: “B” or above in English III Honors or an “A” in English 3 each semester. This course is designed for seniors who have demonstrated above grade level skills in English II.

AP English Literature and Composition**1 Credit**

The course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of how writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works, as well as a full-length research paper. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Prerequisite: English III or AP English Language and Composition, departmental entrance test, English III or AP teacher recommendation, standardized test scores: PSAT and STAR scores, GPA 3.5+ in content area.

AP English Language

1 Credit

The course, part of the nationally recognized AP Program, is available to those students who manifest college skills in composition, analysis, and interpretation. Acceptance is determined by strict academic standards of achievement. Students may earn advanced college placement by successfully competing in the annual national testing program of the College Board. These are college-level classes stressing argumentation, composition, and sophisticated language analysis, including a required research paper.

Prerequisite: English II, departmental entrance test, English II teacher recommendation, standardized test scores: PSAT and STAR scores, GPA 3.5+ in content area.

Media Design and Production

1 Credit

The course enables students to develop knowledge and competence necessary to conceive and create moving images on a pre-professional level. Course content includes vocabulary and terminology in digital video production, web page design, social media impact, and print and media product development. Students will produce morning announcements and a school newspaper.

Creative Writing

0.5 Credit

The purpose of this course is to enable students to develop and use writing and language skills for creative expression in a variety of literary forms. Studying and modeling a variety of genres will be emphasized at this level of creative writing. **This course is reserved for Juniors and Seniors.**

Fine Arts

(All courses meet the Practical Arts graduation requirement)

Art 2D (Basic Art)

0.5-1 Credit

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) and three-dimensional (3-D) artworks through the development of skills in drawing, painting, printmaking, collage, sculpture and/or design. Student's practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

Art 3D (ceramics and art)**1 Credit**

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instructional focus will be on ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on the use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Creative Photography**0.5 Credit**

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex camera, digital camera, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, and pinhole photography. Craftsmanship and quality are reflected in the surface of the prints and the care of the materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Creative Photography 2**0.5 Credit**

Students experiment with a variety of photographic media and techniques and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Prerequisite: Creative Photography

Honors Creative Photography

0.5 Credit

Students lead a focused investigation of a subject matter from ideation to completion. Students select a theme, develop a concept, and prepare the work for public viewing, portfolio, distribution, and/or exhibit. This course may include, but is not limited to, research, collaboration, installation, history of photography, making connections to contemporary and community photographers, and critiquing with varied techniques. Processes, techniques, and media may include, but are not limited to, video, film, high speed photography, studio lighting, flash, long exposure, formal portraiture, large format, HDR, RAW processing, and digital output on a variety of media, including non-traditional materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Prerequisite: Creative Photography, Permission of Instructor

Drawing

0.5 Credit

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing and painting. Students practice and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials. We offer this course in the fall semester.

Prerequisite: Art 2D or Permission of Instructor

Painting

0.5 Credit

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing and painting. Students practice and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials. We offer this course in the spring semester.

Prerequisite: Drawing and Permission of Instructor

AP Studio 2D/AP Studio 3D Design/AP Drawing

1 Credit Each

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The 2-D Design portfolio addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

Prerequisite: Previous Art Class and Permission of Instructor

Health and Physical Education

Health Opportunities for Physical Education (HOPE) 1 Credit

The course provides students with opportunities to develop and enhance critical life management necessary to make sound decisions and take positive action for healthy and effective living. It combines a classroom and physical activity component into one class. It includes communication, interpersonal and coping skills, responsible decision-making and planning, consumer education, chemical substance awareness, cyber awareness, physical fitness, nutrition, and basic first aid.

Team Sports

0.5 -1 Credit

The course develops the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of physical fitness concepts throughout the content is critical to success.

Weight Training

0.5 – 1 Credit

The course provides students with opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as in later life, improve muscular strength and endurance, and enhance body image. The student also will learn nutritional practices and safety practices related to weight training.

Leadership Training

1 Credit

The purpose of this course is to enable students to develop a broad range of basic skills and knowledge, with opportunities for total development in leadership. This course further enables students to develop positive attitudes, good citizenship, and patriotism through character-building activities. This course will provide military instruction in a learning environment useful to students in a future military or civilian career.

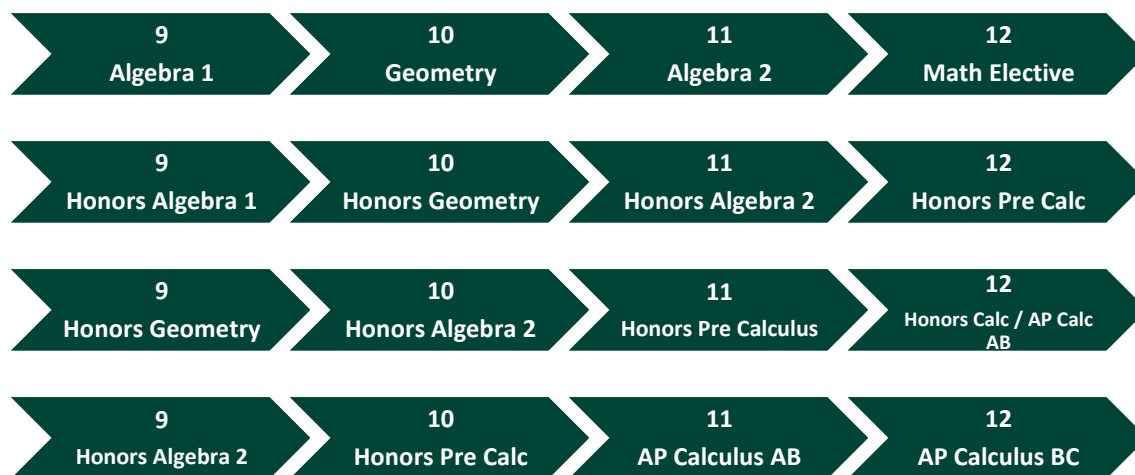
Fitness Lifestyle Design

0.5 Credit

Students will identify, analyze, and evaluate movement concepts, mechanical principles, safety considerations and strategies/tactics regarding movement performance in a variety of physical activities. Documenting food intake, calories consumed, and energy expended through physical activity and analysis of the results will enable students to reflect and recognize healthy patterns. The purpose of this course is to teach students how to live a healthy, active lifestyle.

Mathematics

Sample Course Maps



We determine placement in mathematics courses for incoming ninth graders based on a review of elementary/middle school courses and grades, the MCC entrance test and standardized test scores.

Algebra 1

1 Credit

The course provides a foundation for more advanced mathematics courses and develops the skills needed to solve mathematical problems. Students will study sets, variables, structure and properties of the real number system, first-degree equations/inequalities, relations and functions, graphs, systems of linear equations/inequalities, integral exponents, polynomials, factoring, rational algebraic expressions, irrational numbers, radical expressions, quadratic equations, and mathematical problems.

Honors Algebra 1

1 Credit

The course provides a foundation for more advanced mathematics courses and develops the skills needed to solve mathematical problems at higher levels. Students will study sets, variables, structure and properties of the real number system, first-degree equations/inequalities, relations and functions, graphs, systems of linear equations/inequalities, integral exponents, polynomials, factoring, rational algebraic expressions, irrational numbers, radical expressions, quadratic equations, and mathematical problems.

Prerequisite: Incoming 9th grade students must score in the 70th percentile or above on the standardized testing or entrance exam in math and an A average in their previous school year math course

Geometry

1 Credit

The course emphasizes critical thinking involving the discovery of relationships and their proofs, and skills in applying the deductive method to mathematical situations. Logic and reasoning will be used. Students will study Euclidean geometry of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area and volume and constructions.

Prerequisite: Algebra 1

Honors Geometry

1 Credit

This course is a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. The study of the structure of geometry, angles, triangles, polygons, perpendicularity, and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and value, and coordinate geometry will be studied.

Prerequisite: Honors Algebra 1 or Algebra 1 with teacher recommendation. “B” or above in Algebra 1 Honors, “B” or above in Algebra 2 Honors for 9th graders, or an “A” in Algebra 1 each semester

Algebra 2

1 Credit

The course continues the study of the structure of Algebra and provides the foundation for applying these skills to other mathematical and scientific fields. Review and extension of the structure and properties of the real number system, relations, functions, and graphs including conic sections, polynomials and rational expressions, quadratic equations and inequalities, polynomial functions, rational and irrational exponents, logarithms, complex numbers and word problems will be studied.

Prerequisite: Geometry

Honors Algebra 2

1 Credit

The course is a rigorous, in-depth study of the topics of Algebra II with emphasis on theory, and development of formulas, as well as their application. The student also studies circular and trigonometric functions and their applications. Extension of polynomial functions, exponential and logarithmic functions, sequences and series, mathematical induction, matrix Algebra, the concept and theory of limits, vectors, and conic sections will be studied.

Prerequisite: Geometry, placement exam, GPA 3.0 in content area, and teacher or counselor recommendation. Incoming 9th graders: students must score a 90th percentile or above on the standardized testing or entrance exam and an A in Algebra I, along with scoring an 80 or above on the Diocesan Algebra 1 Proficiency Exam.

Honors Pre-Calculus 1 Credit

The course emphasizes the skills necessary for the study of calculus. Trigonometry, linear relations and functions, systems of equations and inequalities, the nature of graphs, polynomial and rational functions, conics, exponential and logarithmic functions, sequences and series, combinatorics and probability, statistics and data analysis and iteration and fractals will be studied.

Prerequisite: Algebra 2, placement exam, overall GPA 3.0 in content area, and teacher or counselor recommendation

Honors Calculus

1 Credit

The Honors Calculus course consists of a full academic year of work in Calculus and related topics comparable to courses in colleges and universities. Topics to be covered are elementary functions, limits, differential and integral calculus.

Prerequisite: Honors Pre-Calculus, placement exam, overall GPA 3.0 in content area and teacher or counselor recommendation

AP Pre-Calculus**1 Credit**

In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

Prerequisite: Honors Algebra 2, overall GPA 3.5 in content area, and teacher or counselor recommendation

AP Calculus AB**1 Credit**

The course consists of a full academic year of work in calculus like courses in colleges and universities. During the year students will develop their understanding of the concepts of calculus, its methods, and applications. The students will take the AP Calculus AB examination at the end of the fourth quarter and are expected to seek credit or placement, or both, from institutions of higher learning. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Students and teachers will use technology to reinforce the relationships among the multiple representations of functions, to confirm written work, to discover concepts, and to assist in interpreting results. We cover everything in the Calculus AB topic outline as it appears in the AP Calculus Course Description.

Prerequisite: Pre-Calculus, overall 3.5 GPA in content area, and teacher or counselor recommendation

AP Calculus BC**1 Credit**

This course continues the rigorous AP Calculus AB program with the addition of sequences of all topics associated with Functions, Graphs, and Limits; Derivatives; Integrals; and Polynomial Approximations and Series as delineated in the Calculus BC Topic Outline in the AP Calculus Course description of real numbers and of convergence. Students will solve elementary differential equations. At the conclusion of the course, all students must take the national Advanced Placement Calculus BC exam.

Prerequisite: AP Calculus AB, overall 3.5 GPA in content area, and teacher or counselor recommendation

Math for College Statistics**1 Credit**

The course will emphasize four areas: (1) analyzing and applying linear and exponential functions within the context of statistics; (2) extending understanding of probability using data and various representations, including two-way tables and Venn Diagrams; (3) representing and interpreting univariate and bivariate categorical and numerical data and (4) determining the appropriateness of different types of statistical studies. The course will be a hands-on, project-based learning.

Prerequisite: Geometry

Math for College Algebra

1 Credit

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

All clarifications stated, whether general or specific to Mathematics for College Algebra, are expectations for instruction of that benchmark.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Prerequisite: Geometry, Algebra 2

Performing Arts

(All courses meet the Practical Arts graduation requirement)

Band

1 Credit

This year-long, formative class, designed for students ready to build on skills and knowledge previously acquired in a middle or high school instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate to advanced level orchestral / concert / marching (for Pep Band) literature. Rehearsals (daily classes and mandatory attendance of a week-long Band Camp before start of school (Date TBA)) focus on the development of critical listening/aural skills, individual musicianship, instrumental technique, refinement of ensemble skills, and aesthetic engagement culminating in periodic public performances (Mandatory participation in Pep Band at all Home Football Games and all concerts). A preview of pitched instrument skills playing the Circle of Fifths (Keys) / percussion instruments playing basic set of stick patterns (American Paradiddles) is required in the form of a video performance (submitted by deadline for course registration period). Required music score is available for digital download upon request for the course. Students provide their own instruments.

Prerequisite: Previous band course, video performance and director approval.

Choir/Chorus**1 Credit**

The course enables students to develop basic individual and ensemble skills in vocal performance. This is a performance ensemble. There will be an emphasis on expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. The course will include vocal production, choral performance techniques, sight reading and ear training and appreciation of the elements and characteristics of music. While instruction is on school time, some performances and other activities will occur after regular school hours, evenings, and on weekends.

Prerequisites: Previous Chorus course or teacher approval.

Theater**0.5-1 Credit**

Students explore various performance, technical, and administrative aspects of theater learning about basic characterization through physical activity, reading selected theater literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

Introduction to Guitar**0.5-1 Credit**

The course is an entry level music class that will teach students basic guitar techniques and music theory. No prior experience in guitar is necessary. The instructor will provide lessons designed for beginners. All students will be introduced to standard music notation, chord symbols, and musical timing. Students provide their own instruments.

Music Theory**1.0 Credit**

Students learn how music is constructed and developed, and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic functional ear-training, keyboard, and guitar singing skills, and engage in the creative process through individual and collaborative projects. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

Science

Sample Course Maps



We determine placement in science courses for incoming ninth graders based on a review of elementary/middle school courses and grades and standardized test scores.

Practical and Critical Applications of Science 1 Credit

In this one-year laboratory course, the students will learn scientific inquiry, research, measurement, problem solving, laboratory equipment and technologies, experimental procedures, and safety procedures. Students will also learn about some of the sciences that make up the world around us and gain some idea of man's place among the Earth and basic science concepts.

Biology 1 Credit

In this one-year laboratory course the students will learn about some of the types of life that make up the world in which they live and, as a result, will gain some idea of man's place among living things. Basic concepts of plant and animal life, along with the fundamentals of structure, function, ecological relationships, genetics, and evolution, are all topics that will be presented.

Honors Biology 1 Credit

In this one-year laboratory course the students will learn about some of the types of life that make up the world in which they live and, as a result, will gain some idea of man's place among living things. Basic concepts of plant and animal life, along with the fundamentals of structure, function, ecological relationships, genetics, and evolution, are all topics that will be presented.

Prerequisite: Incoming 9th grade students must score in the 70th percentile or above on the standardized testing or entrance exam in science and an A average in their previous school year science course

AP Biology 1 Credit

This college level course includes biological chemistry, cytology, cell energetic, molecules and genetics, heredity, evolution, principles of taxonomy, a survey of the kingdoms, basic plant physiology, and ecology. There will be substantial emphasis on laboratory and library research work. At the conclusion of the course, all students must take the national AP Biology Exam and may earn college credit.

Prerequisite: Honors Biology, Honors Chemistry, a 3.5+ GPA in content area and teacher or counselor recommendation

Chemistry**1 Credit**

This course is an introduction to the basic principles of chemistry. Among the topics covered are measurement, phases of matter, gas laws, kinetic theory, atomic structure, bonding, the periodic table, formulas, equations, mole concept, solutions, kinetic equilibrium, and acid-base theory.

Prerequisite: Biology**Co-Requisite:** Algebra II**Honors Chemistry****1 Credit**

This course is a rigorous introduction to the basic principles of chemistry. Among the topics covered are measurement, phases of matter, gas laws, kinetic theory, energy, nuclear chemistry, atomic structure, bonding, the periodic table, formulas, equations, mole concept, solutions, equilibrium, acid-base theory, Redox Chemistry, and an introduction to organic chemistry.

Prerequisite: B or above in Honors Biology or an "A" in Biology each semester, and teacher or counselor recommendation.**Co-Requisites:** Honors Algebra II**AP Chemistry****1 Credit**

This course is part of the nationally recognized AP Program. As such, it is an accelerated second year Chemistry that includes a comprehensive review and extension of the principles of inorganic chemistry. Emphasis is placed on laboratory and research skills. Students will be expected to take the AP chemistry exam at the end of the course.

Prerequisite: Honors Chemistry, 3.5+ GPA in content area, and teacher or counselor recommendation**Corequisite:** Honors Pre-Calculus**Environmental Science****1 Credit**

The course provides students opportunities to develop knowledge of biology and physical sciences and enable students to associate this knowledge with real-life applications. The content will include but is not limited to the following topics: earth dynamics organism interactions, ecosystems/community, population principles energy/food webs, biodiversity, biotic/abiotic factors, human population issues food/nutrition, environmental quality issues as they relate to land, water, and air, environmental planning and waste management, environmental monitoring and policy human effects on land, water, and air.

Prerequisite: Biology**AP Environmental Science****1 Credit**

The AP Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Prerequisites: Chemistry, 3.5+ GPA in content area, teacher or counselor recommendation

Forensic Science

1 Credit

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3).

Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Honors Physics

1 Credit

While the content focus of this course is consistent with the Physics I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data.

Prerequisite: Honors Biology, Honors Algebra II, Honors Chemistry, teacher or counselor recommendation.

AP Physics 1 1 Credit

Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits."

Prerequisite: Honors Chemistry, 3.5+ GPA in content area, teacher or counselor recommendation

Corequisite: Honors Pre-Calculus

Marine Science

1 Credit

The course provides an overview of the basics of the physical marine environment, and the organisms which live within it. Some of the main concepts are listed below, but we are not limited to just these: chemistry and physics of water-wave principles, plate tectonics, diversity of habitats, biodiversity and organism's niche adaptations, food webs, ocean resources, and human impact on the marine environment and marine organisms.

Prerequisite: Biology

Honors Anatomy and Physiology

1 Credit

In this one-year laboratory course the students will learn about the structures and functions of the various parts of the human body systems. By discussing the cellular, tissue, and homeostatic components of each, students will discover how the various systems work together to keep humans alive. Systems to be covered will include the skeletal, muscular, digestive, nervous, reproductive, endocrine, circulatory, respiratory, and immune systems. Dissections and other lab activities will be used to increase understanding.

Prerequisite: Biology

Honors Science Research 1 Credit

This course allows students to prepare an individual project for competition under a mentor. Topics covered include scientific method, library research skills, statistics, technical writing, and appropriate laboratory skills. All students compete in Brevard South Regional Science Fair and FJAS State competition. We offer the course as independent study only.

Prerequisite: teacher or counselor recommendation

Social Studies

Sample Course Map



We determine placement in social studies courses for incoming ninth graders based on a review of elementary/middle school courses and grades, and standardized test scores.

World History

1 Credit

The course provides students with interdisciplinary knowledge, skills, and attitudes necessary to meet their responsibilities as citizens of their community, state, and nation in an increasingly interdependent and complex global society. The course will focus on the social, political, economic, cultural, and religious themes that shaped the history of Asia, Africa, Europe, Latin America, and the Middle East from the Medieval Era to the 21st Century.

Honors World History**1 Credit**

The course provides students with interdisciplinary knowledge, skills, and attitudes necessary to meet their responsibilities as citizens of their community, state, and nation in an increasingly interdependent and complex global society. The course will focus on the social, political, economic, cultural, and religious themes that shaped the history of Asia, Africa, Europe, Latin America, and the Middle East from the Medieval Era to the 21st Century. To earn honors credit, students will complete supplementary coursework designed to develop essential Advanced Placement and collegial skills including the ability to analyze primary documents, examine historiography, and synthesize content.

Prerequisites: Counselor recommendation.

AP World History **1 Credit**

The course studies the history of the world from prehistory to the present day. Students will develop the ability to craft historical arguments from historical evidence, demonstrate chronological reasoning, evaluate comparisons and contextualization, consider historical interpretations, and synthesize content. The course will include primary source material, college-level textbooks, and outside readings. Students will be required to participate in discussion and become involved in both group and individual projects. Essay development and writing skills will also be stressed. Students taking this course will take the Advanced Placement World History Exam and may earn college credit.

Prerequisite: 3.5 GPA in Social Studies content area, placement exam, standardized test scores: PSAT, AP Potential, ACT.

United States History**1 Credit**

The course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students will have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

Honors United States History**1 Credit**

The course offers learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note taking, participating in seminars/discussions, contrasting opposing viewpoints, solving problems.

Prerequisites: 3.0 in content area

AP United States History**1 Credit**

The course allows students to gain college credit for the equivalent of a two-semester U.S. History introductory course by stressing the development of historical analysis skills while covering a period from 1491 to the present. This time period is broken into 9 segments and studies significant individuals, events, and historical change using primary and secondary sources, utilizing, chronological reasoning, argumentation, and historical comparison.

Prerequisite: Teacher or counselor recommendation, 3.5 GPA in Social Studies content area.

United States Government**0.5 Credit**

The course provides the student an understanding of the American political system through which our government operates. The student is exposed to those historical events that have shaped American democracy in the development of the three branches of government on national, state, and local levels.

Honors United States Government**0.5 Credit**

The course provides the student an understanding of the American political system through which our government operates. The student is exposed to those historical events that have shaped American democracy in the development of the three branches of government on national, state, and local levels. The honors course will offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, and solving problems.

Prerequisites: 3.0 GPA in content area, teacher or counselor recommendation.

AP United States Government**0.5 Credit**

This course will give students a critical perspective on politics and government in the United States. The course involves the study of the general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American landscape. The student will take the AP American Government Exam and may earn college credit.

Prerequisite: Honors US Govt, 3.5 GPA in Social Studies content area, teacher or counselor recommendation

Economics with Financial Literacy**0.5 Credit**

The course studies the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Honors Economics with Financial Literacy 0.5 Credit

The course studies the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle. Additionally, the course provides scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, and solving problems.

Prerequisites: 3.0 GPA in content area, teacher and counselor recommendation.

Psychology 0.5 Credit

The course provides students with the opportunity to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Theories and methods of study employed by psychologists in regard to human growth and development, self-concept development, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, alienation, stress, and mental health will be covered.

Sociology 0.5 Credit

Through the study of sociology, students develop an understanding of group behavior and the impact of policies on individuals in a society. Discussions focus on the values/beliefs and customs of various cultures both locally and globally. Other topics include issues in education, healthcare, government, and families and how ideals have evolved over time as well as how technology and current events impact us today.

Comprehensive Law Honors 1 Credit

The primary content for the course pertains to the study of the components and processes associated with the American legal system and the comprehensive examination of the civil and criminal justice systems. Content includes, but is not limited to, the historical antecedents and purpose for laws, the impact of social values on the establishment and interpretation of laws, causes and consequences of crime, evaluation of the adult and juvenile justice systems, significance of the Bill of Rights to the American legal system and elements of constitutionalism, civil and criminal law, family and consumer law, rights and responsibilities under the law, and the adversarial versus inquisitorial systems of justice. This course will incorporate the development of a written appellate brief addressing a contemporary legal question and the presentation of oral arguments to defend their position legally.

Prerequisites: Honors English 1

World Cultural Geography

0.5 Credit

The grade World Cultural Geography course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of world cultural regions in terms of location, physical characteristics, demographics, historical changes, land use, and economic activity. Content should include, but is not limited to, the use of geographic tools and skills to gather and interpret data and to draw conclusions about physical and human patterns, the relationships between physical geography and the economic, political, social, cultural and historical aspects of human activity, patterns of population growth and settlement in different cultures and environments, the interaction between culture and technology in the use, alteration and conservation of the physical environment, and the interrelationships and interdependence of world cultures.

Prerequisites: World History

Theology

Sample Course Map



Introduction to Christology

0.5 Credit

The course introduces students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. 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.

Old Testament

0.5 Credit

The course gives students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Old Testament and the books included in each section.

New Testament

0.5 Credit

The course helps students understand all that God has done for us through his Son, Jesus Christ as portrayed in the New Testament. 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. Through their study of the New Testament, students will also be introduced to what it means to be a disciple of Christ.

Church History**0.5 Credit**

The course helps students 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 Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2000 years of history and about how the Church is led and governed by the successors of the Apostles.

Sacramental Life**0.5 Credit**

The course helps 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.

Catholic Morality**0.5 Credit**

The course helps 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. This class is offered in alternating years.

Social Justice 0.5 Credit

The course introduces students to the Church's social teaching and learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

World Religions: Ecumenical and Interreligious Issues 0.5 Credit

The course helps students understand the way the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

Honors History of Philosophy**1 Credit**

This introductory course covers the historical trajectory of thought from the early Greek philosophers to modern philosophy. Students will become familiar with major thinkers and philosophical positions in the western philosophical tradition. This course will concentrate on epistemology (theory of knowledge), ontology (study of being), ethics, and philosophy of God. We require students to read and interact with textbooks and primary sources.

Prerequisite: Recommendation from current Theology teacher; 12th grade only

Freedom and Virtue**1 Credit** (Barry University Dual-Enrollment)

The course is an examination of the meaning of human freedom, the nature and search for virtue as a means and goal of human behavior and because of our actions. Accountability as part of free human action will be considered in the context of decisions of conscience.

Prerequisite: 3.0 unweighted GPA; 440 Reading/Math SAT score and/or 19 Reading/Math ACT score.

Christian Understanding of God

1 Credit (Barry University Dual-Enrollment)

The course is an examination of the Christian doctrine of the trinity and its implications for the human understanding of the world, history, the self, and the Church. After an introduction to the biblical and patristic origins of the doctrine, students will examine a contemporary statement of it in conversation with modern cultural, philosophical, and political sensibilities.

Prerequisite: 3.0 unweighted GPA; 440 Reading/Math SAT score and/or 19 Reading/Math ACT score.

For Barry University Courses an MCC student must:

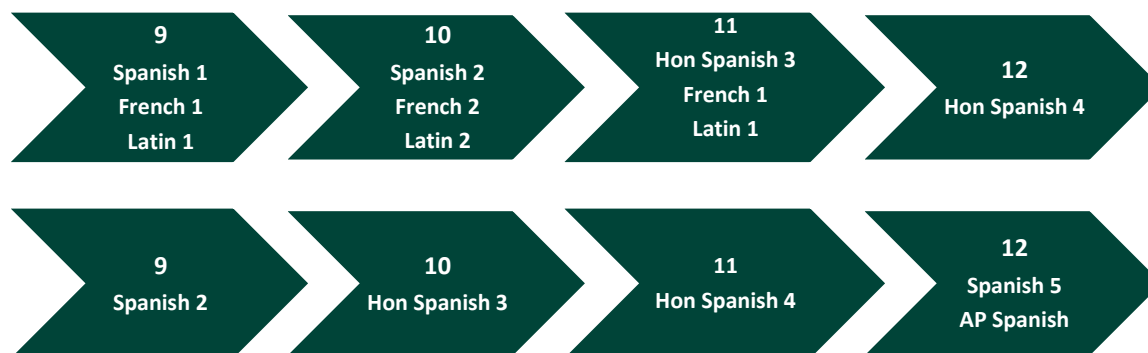
- Be enrolled in a course of study which will fulfill requirements for high school graduation;
- Have a 3.0 unweighted high school GPA;
- Standardized college placement tests indicating college readiness;
- Satisfy any course prerequisites; and,
- Meet any additional criteria set by BARRY as the postsecondary institution.

In order to continue in the program, students must maintain a cumulative 3.0 unweighted GPA in their high school academic work and earn a 3.0 or better cumulative GPA in college-level work, as confirmed by the school.

To ensure student readiness for post-secondary instruction, all students in grades eleven (11) through 12 must meet high school GPA and present standardized college placement tests indicating college readiness to be able to participate in dual enrollment at BARRY. BARRY may establish additional, initial student eligibility requirements to ensure student readiness; students, however, who have demonstrated the ability to master advanced courses can participate in dual enrollment courses

World Language

Sample Course Maps



We determine placement in world language courses for incoming ninth graders based on a review of elementary/middle school courses and grades, and a placement test.

FLVS courses may incur a fee.

Spanish 1**1 Credit**

The course introduces the student to basic Spanish. The student will develop introductory listening and speaking skills through conversational activities supplemented by a comprehensive communicative approach using interactive activities. Global awareness is developed by the study of the culture of Spanish speaking countries.

Honors Spanish 1**1 Credit**

The course introduces the student to basic Spanish at an accelerated pace. The student will develop introductory listening and speaking skills through conversational activities supplemented by a comprehensive communicative approach using interactive activities. Global awareness is developed by the study of the culture of Spanish speaking countries.

Spanish 2**1 Credit**

The course reinforces the fundamental skills acquired by the student in the first year. The student will develop more advanced speaking, listening, reading, and writing skills. By the end of the year the student will have mastered the important patterns and grammar of the language. The culture of Spanish speaking countries is studied.

Prerequisite: Spanish I or appropriate high score on Spanish I placement test.

Honors Spanish 2 1 Credit

The course reinforces the fundamental skills acquired by the student in the first year. The student will develop more advanced speaking, listening, reading, and writing skills. By the end of the year the student will have mastered the important patterns and grammar of the language. The culture of Spanish speaking countries is studied.

Prerequisite: Completion of Spanish I Honors or recommendations or appropriate score on placement test.

Honors Spanish 3 1 Credit

The course will include expansion of authentic vocabulary and grammatical skills. Speaking, writing, and listening skills are emphasized through interactive activities based on thematic selections. Compositions, comprehensible language immersion, and authentic literature are used in preparation for the advanced placement class as the primary objective. This course is taught mostly in Spanish.

Prerequisite: 3.0 in Honors Spanish II or in Spanish II, and teacher or counselor recommendation

Honors Spanish 4**1 Credit**

The course will include advanced language structures and idiomatic expressions to improve conversational skills. A literature-based curriculum and advanced grammar studies coupled with extensive conversational activities are used to attain mastery. This course is taught in Spanish.

Prerequisites: 3.5 in Honors Spanish III, and teacher or counselor recommendation

Honors Spanish 5

1 Credit

The course develops communication skills through the presentation of oral reports on literary and cultural topics, current events, and personal experiences. Modern literature selections and advanced vocabulary and grammatical structures are used to attain mastery. This course is taught in Spanish.

Prerequisite: 3.5 in Honors Spanish IV, and teacher or counselor recommendation

AP Spanish Language

1 Credit

The course parallels the skill development of a third-year college course in advanced composition, listening ability, and conversation. The course emphasizes the mastery of listening, speaking, reading, and writing in Spanish. Mastery of grammatical concepts is expected. The AP Language Examination is a requirement at the end of this course. This course is taught in Spanish.

Prerequisite: 3.5 in content area and teacher or counselor recommendation.

FLVS World Languages: French, Latin, American Sign Language, Chinese, Hebrew - check FLVS.net for the most updated list of world languages. (Fees may apply)

Advanced Programs

MCC/Florida Tech Emerging Scholars Program

To offer a variety of accelerated college level classes to advanced students, Melbourne Central Catholic partners with Florida Tech. Juniors and seniors who participate in Florida Tech classes may earn college credit at no additional tuition cost. Juniors may take one class per semester and seniors two classes per semester.

Program requirements include:

- Admission into Florida Tech
- A minimum overall GPA of 3.8
- A total minimum SAT score of 1100 to include a minimum score of 550 on evidence-based reading/writing and a minimum score of 550 on the math portion or a 24 composite ACT score or a 25 on the ACT math.

Applications are due during the spring prior to the school year in which students would like to enroll.

Juniors who meet requirements during the 1st semester may apply for admission for 2nd semester classes at Florida Tech.

Because highly qualified Florida Tech faculty members teach these courses, we expect MCC students to do college level work and recognize that the Florida Tech faculty will hold them to college standards for grading. MCC students take the courses during the MCC school day.

Florida Tech will record course grades on an official Florida Tech transcript, and we will record them on an MCC transcript (1.0 weighted designation). If a student withdraws from a Florida Tech course after the initial drop/add period, we will reflect WP/WF on the MCC transcript and potentially incur a charge.

We will not permit students who earn a D or lower at Florida Tech to enroll in the Emerging Scholars Program in future semesters.

Advanced Placement Courses

Melbourne Central Catholic offers a variety of Advanced Placement courses that carry a 1.0 weighted designation. Admission requirements for Advanced Placement courses include:

- A 3.5 or above GPA in the content area
- An attendance record in good standing
- Required standardized test scores (PSAT/ACT/SAT)
- Qualifying score on the entrance test for all Advanced Placement classes (see course descriptions for details)
- Competitive grades in specific prerequisite courses
- Demonstration of initiative, ability to work independently, seriousness of purpose, a desire to learn, and to research beyond the required minimum
- A summer assignment is required for all AP courses.

Additionally, we require students in AP classes to sit for the course AP Exam in May (there is an additional cost for AP tests set by the College Board). For specific test dates, please refer to <https://apstudent.collegeboard.org/home>. The College Board sends test results to students, MCC, and specified colleges each year in July. It is important to note that these test results do not appear on the MCC transcript. Students may also request to have the scores sent to colleges through the College Board website

AP Course Offerings

Computer Science

AP Computer Science Principles
AP Computer Science A

English

AP English Language
AP English Literature

Fine Arts

AP 2-D Art and Design
AP 3-D Art and Design
AP Drawing

Mathematics

AP Calculus AB
AP Calculus BC
AP Pre Calculus

Science

AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1

Social Studies

AP US History
AP Psychology
AP World History
AP US Government

World Language

AP Spanish

Honors Courses

Melbourne Central Catholic offers honors courses in English, Mathematics, Science, Social Studies, World Language, and certain elective classes. Honors courses carry an additional .5 weighted designation.

Admission requirements for Honors courses include the following criteria:

- Overall GPA of 3.0. No grade lower than a B in core subject area
- Placement test
- Completion of required prerequisites
- Demonstration of initiative, organizational skills, teacher or counselor recommendation, seriousness of purpose, and to research beyond the required minimum
- Qualifying Standardized Test score
- We evaluate student continuation in Honors Courses each year

We may require students who do not have at least a C average in an Honors Course to withdraw from the course.

Florida Bright Futures Scholarship Program

The Florida Bright Futures Scholarship requires high school students to complete and document community service as a component of their eligibility requirements. MCC College preparatory courses meet the same requirements as those required by the Florida Bright Futures Scholar Program. Please consult the Florida Bright Futures Program website at: www.floridastudentfinancialaidsg.org for the most up-to-date information.

Academic Information

FACTS Family Portal (Formally Renweb)

MCC's Administrative Software is FACTS Family Portal (formally known as Renweb ParentsWeb). Through this digital service, students and parents can monitor classroom grades and lesson plans. Teachers enter grades (updated weekly) into the gradebook which is duplicated live for parents to view in Family Portal. Projects/research papers/etc. may take longer than a week.

We encourage students and parents to access this information on a regular basis. Families create accounts using a parent email address given to MCC at registration or with the student's MCC email account. To log in, please go to: <https://logins2.renweb.com/logins/ParentsWeb-Login.aspx>

Grading/Scale

We distribute report cards through FACTS Family Portal to students/parents each quarter and compute final averages at the end of each semester. Each quarter averages count as 40% of the semester grade with the exam consisting of 20% of the semester grade.

Letter Grade	Score	Performance
A	90-100	Required work is excellent showing accelerated mastery of subject matter
B	80-89	Required work is well done showing mastery of subject matter
C	70-79	Required work is average showing some mastery of subject matter
D	60-69	Required work is below average showing limited mastery of subject matter
F	59/below	Required work does not show mastery
FA		Student failed to meet state mandated attendance requirements
I	Incomplete	Student failed to meet course requirements due to missing work

Any student who receives an "I" (Incomplete) on her/his report card is responsible for meeting with the course teacher to arrange to make up for the missing work. This meeting should take place the last week of the grading quarter. If the student fails to complete the requirements within the arranged time frame, the "I" will be automatically changed to an "F".

Any student who received an "FA" on his/her report card is responsible for meeting with the teacher and Dean of Students to fulfill the attendance/seat time requirements. We will update grades once the student makes up the time. If seat time is not fulfilled, the student will NOT earn credit for those classes.

All questions regarding grades should be directed first to the teacher(s) involved, and then to the school counselor. Final decisions regarding grades or academic program rests with the Administration.

Student Mid-Quarter Progress

Teachers will assess the general performance level for the student. Students receiving an I/D/F must set up a parent/teacher/student conference to develop a successful academic plan. Please contact the teacher or your school counselor for a specific time. Current grade reports are always available through the FACTS Family Portal. We will notify families to check student progress.

Academic Probation

We place students who do not demonstrate adequate academic progress on Academic Probation and create a plan to assist the student with academic improvement. If any of the following conditions exists, a student will be placed on Academic Probation.

- The student has failed two or more courses during any semester
- The student falls below a 2.0 cumulative GPA

We expect students on Academic Probation to comply with the actions listed on their plan. Failure to comply with the expectations may jeopardize the students' ability to remain at Melbourne Central Catholic High School.

Grade Forgiveness

Students are eligible for grade forgiveness if they have failed a course for the semester. The student's counselor must approve grade forgiveness courses prior to the student enrolling in the course. Once the

student earns course credit, we will place the grade on the student’s transcript. Both the failing grade and passing grade will appear on the transcript and be calculated into the student’s cumulative grade point average.

GPA Weighting

We base Honor Roll on a student’s weighted grade point average each quarter and each semester. The quality point values are as follows:

<u>Grade</u>	<u>Regular</u>	<u>Honors</u>	<u>Advanced Placement</u>	<u>FLORIDA TECH/Dual Enrollment</u>
A	4.0	4.5	5.0	5.0
B	3.0	3.5	4.0	4.0
C	2.0	2.5	3.0	3.0
D	1.0	1.5	2.0	2.0
F	0.0	0.0	0.0	0.0

Principal’s Honor Roll

Summa Cum Laude: 4.0; no grade lower than a B; or a C for AP courses

Magna Cum Laude: 3.75 – 3.99; no grade lower than C

Cum Laude: 3.5 – 3.74; no grade lower than a C

Class Rank

MCC does not rank its students, a decision rooted in our Franciscan Charism which encourages care for the individual, not necessarily in comparison to others, and also from a recognition that MCC is a school with a diverse student body and a rigorous, comprehensive curriculum. Therefore, class rank is not an accurate measure of individual achievement and could be misleading in determining a student's ability to complete college work successfully.

Valedictorian/Salutatorian (Starting with the Class of 2023)

We award the honor of Valedictorian and Salutatorian to two seniors who meet the following qualifications:

- Students attend MCC for a minimum of three consecutive years (Military families may appeal)
- Students earn a weighted cumulative GPA in the top twelve for 7.5 semesters
- Students have no grade below a B through 7.5 semesters
- Students with the top twelve grade point averages are eligible for the designation
- Each eligible senior will submit and deliver a speech to a faculty committee who will in turn choose the recipients

Academic Support

The Academic Support Team works collaboratively with the Guidance Department to ensure students are provided with opportunities that support success. Support is provided for all students including those with learning challenges and identified as having exceptional needs. Available support includes elective courses designed to improve learning strategies, math, reading and writing skills. Some examples of academic support include:

- Peers as Partners in Learning - students are trained to work with individual students as Academic Peer Coaches or to support students in specific classrooms
- Academic Enrichment Periods (AEPs)
- Summer Enrichment Programs may be offered
- St. Teresa's Academic Support Center - a teacher is available every period, including lunch
- Academic Support Plans - this plan indicates accommodations, written for students with documented diagnosed disabilities
 - Possible accommodations include extended time for testing, preferential seating, assistance with note-taking and testing in a small group setting
- Student honor societies (National Honor Society, Spanish Honor Society, French Honor Society, and Mu Alpha Theta, and others) offer extra help to students after school

Teachers are available during Academic Enrichment Periods and after school for extra help. School Counselors are also available to assist students in scheduling extra help. Students should schedule an appointment with the teacher or their school counselor.

Florida Virtual School (FLVS)

While we would prefer all classes be taken at Melbourne Central Catholic, we understand there are rare occasions when it is necessary to take a course through Florida Virtual School (FLVS). Depending on the scholarship, the State has limits to the number of classes that can be taken and in some cases, the family is responsible for the cost of FLVS. MCC does not cover FLVS fees for any student. Read the [FLVS Scholarship Student Information](#) to learn more. **The State is continuing to make changes to this program and in some cases is also changing the scholarship your student may receive which could affect FLVS courses.** If you are notified of any changes to your student's scholarship, please let our finance office know.

Semester Exams

A student must take semester exams as scheduled. There will not be make-up semester exams. In the event of a documented illness or an emergency, please contact the student's counselor.

Senior Exam Exemption Privilege

Seniors can be exempt from a semester exam if they meet the following criteria:

- Semester courses: a 90% or above each quarter
- Year-long courses: a 90% or above during Semester A, 3rd quarter, and 4th quarter
- Nine (9) or less unexcused absences in a semester (per day and/or per class)
- Five (5) or less behavioral infractions in a semester
 - Any senior who receives a suspension or a Level 2 infraction loses the exemption privilege.
- Eight (8) or less tardies in a semester
- Community Service Requirement:
 - **First semester:** 75 hours of community service (or an average of 25 hours per year for transfer students.
 - **Second semester:** 100 hours of community service (or an average of 25 hours per year for transfer students.

Standardized Testing

Students complete a series of standardized tests during their 9th, 10th, and 11th grade years. All freshman, sophomores, and juniors take a practice standardized test that aligns with either the SAT or the ACT. All juniors will take the official ACT in the spring at MCC. These exams help MCC students gain experience and practice for standardized tests that college bound students take during their junior and senior years for college admissions. Students who have documented learning educational plans on file may be eligible for testing accommodations. Please contact the School Guidance Office for more information.

CEEB Code: 101018

Testing Timeline

Freshman	Sophomore	Junior	Senior
PSAT/NMSQT	PSAT/NMSQT	PSAT/NMSQT	SAT/ACT (off-site/on your own)
	Pre-ACT	ACT	
		SAT (off-site/on your own)	

PSAT/NMSQT: We administer the PSAT/NMSQT (National Merit Scholarship Qualifying Test) to all 9th, 10th and 11th grade students each year in October. MCC registers and administers the test to students free of charge. These tests provide early feedback and continuous monitoring for college and career readiness preparation. The College Board uses 11th grade scores on the PSAT/NMSQT to qualify students for the National Merit Scholarship Program.

Pre-ACT: We administer the Pre-ACT Test to all 10th grade students in the Spring. MCC registers and administers the test to students free of charge. These tests provide early feedback and continuous monitoring for college and career readiness preparation.

ACT – We administer the ACT to all 11th grade students each year in the Spring. We recommend 11th grade students complete an additional ACT test prior to the start of their senior year. Students are responsible for registering for these additional tests independently. To register for the ACT, visit <http://www.act.org/>.

SAT: Students can schedule an SAT exam <https://www.collegeboard.org> These are off-site and on your own.

SAT II - Some competitive colleges and universities require individual SAT II subject tests as part of their admissions requirements. Students should research the admissions requirements on individual college and university websites. Students typically take these tests during their junior or senior year. You can find more information at <http://sat.collegeboard.org/practice/sat-subject-test-preparation>.

Community Service

As a transformative institution rooted in the Franciscan tradition, MCC requires all students to perform community service. Community service helps MCC students develop social consciousness and make a commitment to a life of justice and peace. Additionally, community service hours completed during one's time at MCC may qualify your student for the Florida Bright Futures Scholarship as well as other awards. MCC's community service guidelines are as follows:

- MCC students are required to complete a minimum of twenty-five (25) community service hours yearly.
- Students are to submit their service hours in Renweb/FACTS.
 - They should select "web forms", "community service hours", and fill in the information that is asked for.
- Community service forms must include accurate dates of service, hours completed, and contact information of supervisor for verification.
- Please give a short description of the community service performed.
- Hours will be verified during school hours within 48 hours of submission.
- Please **do not** submit additional service hours until the previous hours submitted have been verified.
- Parents and students may check hours that have been verified in Renweb by selecting "Family," and choosing the appropriate student's name in the dropdown menu.
- Students who do not meet the Community Service requirement may jeopardize their opportunity to graduate from MCC.

Co-Curricular Eligibility

MCC is a member of the Florida High School Athletic Association therefore to participate in any FHSAA sponsored athletic activity, “a student must have a cumulative high school grade point average of 2.0 or above on a 4.0 unweighted scale or its equivalent, in all required courses that are required....”(FHSAA Handbook). If a student fails to meet these requirements, he/she will remain ineligible until their cumulative GPA rises above 2.0.

Participation in all other co-curricular programs also depends upon the same classroom performance. In addition, MCC requires that all student athletes must be passing core graduation requirements each quarter. We may suspend any student receiving an “F” in a core graduation subject from participation in games and from traveling with the team until the student achieves a passing grade.

We determine eligibility for fall activities by second semester grades from the preceding school year and determine eligibility for transfer students by the GPA of the marking period preceding their enrollment at MCC as well as the number of credits earned by the transferring student.

Transcripts

Students need to have a transcript request form signed by a parent/guardian on file for us to send transcripts to colleges. Families should request transcripts through Naviance, Common Application, SendEDU or Coalition Application.