

# CHARLOTTE CATHOLIC HIGH SCHOOL



*"The Soul of Education  
is the Education of the Soul"*

*Pius XI*

**CURRICULUM GUIDE  
2021 - 2022**

## MISSION STATEMENT

Charlotte Catholic High School is an educational community centered in the Roman Catholic faith, which teaches individuals to serve as Christians in our changing world.

## BELIEFS

Prayer, worship and reflection are essential in fostering the spiritual and moral development of our students, faculty and staff.

Individuals should model and integrate the teachings of Jesus in all areas of their lives in order to nurture faith and inspire action, especially in the areas of service and charity.

Teachers should set high academic expectations of performance while providing appropriate resources and challenges for all students.

Our school should be a supportive, healthy and encouraging environment that recognizes the dignity, needs and uniqueness of all.

Every member of our community should have opportunities to participate in, contribute to, and support Charlotte Catholic High School.



## CHARLOTTE CATHOLIC HIGH SCHOOL

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FAITH • SERVICE • ACADEMIC EXCELLENCE

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## **COURSE SELECTION CONSIDERATIONS**

The Charlotte Catholic Faculty, in all classes, challenges students to think critically, to read purposefully, to write effectively and to communicate clearly – all factors enabling a student to reach his or her full potential.

In considering your schedule, you should challenge yourself with a strong but manageable course load. Colleges are seeking students who extend themselves academically by taking advanced courses for which they are qualified. Be careful not to overextend yourself. Your course selection should take into consideration your entire school involvement, including athletic participation, volunteer activities, and other extracurricular involvement.

If you are placed in courses labeled “Honors” or “AP,” you should seek input from your counselor and teachers. The teacher recommendations, based upon departmental guidelines, are reliable indicators for personal success and academic challenge for each student.

# CHARLOTTE CATHOLIC HIGH SCHOOL CURRICULUM GUIDE

## PURPOSE

This guide provides a brief description of and prerequisites for each course. The purpose of this guide is to assist the student, parent, counselor, and teacher in knowing what is available. All courses listed will be taught unless there is insufficient enrollment.

## TOTAL CORE CREDITS REQUIRED FOR GRADUATION

<u>SUBJECT</u>	<u>UNITS</u>	<u>SUBJECT</u>	<u>UNITS</u>
Theology (A)	4	Social Studies (E)	3
English (A)	4	Health	.5
Science (D)	3	Physical Education	.5
Math (B, C)	3	World Language	2

Total Core Credits Required For Graduation	20
Additional Course Credits Required For Graduation	<u>4</u>
Total Credits Required For Graduation	24

A student must have successfully completed all required courses and have accumulated a minimum of 24 credits in order to graduate. One-half credit is given for semester courses successfully completed. Students are required to take 7 classes per day. Courses meet every day.

- (A) - Required course for each year a student attends CCHS.
- (B) - NC Public College and University Admissions recommend a math course in 12th grade.
- (C) - NC Public College and University Admissions require 4 math credits including one unit that has Algebra II as a prerequisite.
- (D) - A physical science (Chemistry and/or Physics); Biology; and a 3rd year of a science are required.
- (E) - World History (1.0); US History (1.0); Economics (.5) and Politics (.5); Ancient World History (.5) (9th grade requirement if attending CCHS).

## GRADING SCALE

The following numerical equivalent scale is used for all courses:

$90 \leq A- < 93$	$93 \leq A < 97$	$97 \leq A+ \leq 100$
$80 \leq B- < 83$	$83 \leq B < 87$	$87 \leq B+ < 90$
$70 \leq C- < 73$	$73 \leq C < 77$	$77 \leq C+ < 80$
$65 \leq D- < 66$	$66 \leq D < 68$	$68 \leq D+ < 70$
$0 \leq F < 65$	I - Incomplete	W - Withdrawn

## QUALITY POINT SYSTEM

A student's grade point average is determined by the use of quality points. According to the nature, level, and difficulty of a course, the quality points are indicated in the description area for each course. Scale 1 is for Honors and AP courses. Scale 2 is for all other courses.

### SCALE 1

A+ = 5.0
A = 5.0
A- = 4.7
B+ = 4.3
B = 4.0
B- = 3.7
C+ = 3.3
C = 3.0
C- = 2.7
D+ = 2.3
D = 2.0
D- = 1.7
F = 0.0

### SCALE 2

A+ = 4.0
A = 4.0
A- = 3.7
B+ = 3.3
B = 3.0
B- = 2.7
C+ = 2.3
C = 2.0
C- = 1.7
D+ = 1.3
D = 1.0
D- = 0.7
F = 0.0

# ASSISTANTS

## Assistants

573

Grade:	10th, 11th, 12th
Elective	
Prerequisites:	Approval of the Dean of Students
Quality Points:	None

Students receive credit for working as an assistant. Assistants will be assigned tasks for the office, counselors, alumni and campus ministry. Evaluation is based on their willingness to learn, initiative and performance of assigned tasks, and demonstrated competencies within the area assigned. Supervising staff members will make evaluations on student performance. This class meets daily for a semester.

## **BUSINESS AND TECHNOLOGY DEPARTMENT**

### **Personal Finance**

**134**

Grade: 11th, 12th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This course is designed to provide students with personal skills needed daily. Topics of study include establishing a bank account and maintaining a checkbook and debit card, computing personal income tax and analyzing employment taxes. Students will understand how consumer credit works and the pitfalls of credit cards, constructing a personal budget, analyzing investments and retirement funds, and more. This course meets daily for a semester.

### **Marketing Principles**

**122**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This is a beginning class to help students become familiar with the world of business through a marketing perspective. Students will gain a basic understanding of marketing, business, management, and entrepreneurship. This course meets daily for a semester.

### **Introduction to Accounting**

**133**

Grade: 11th, 12th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This class is designed to provide an understanding of the basic principles of the Accounting Cycle as it applies to business entities. Major areas of study include the "Accounting Cycle" from analyzing and recording business transactions to the preparation and interpretation of financial statements. This course meets daily for a semester.



## **Introduction to Programming/Excel**

**112**

Grade: 9th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This class is designed to provide the students with a foundation in Excel and a basic understanding of the Python programming language. The class will provide students with a basic foundation in Excel. This course meets daily for a semester.

## **Computer Applications II - Spreadsheet/Database 132**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Department Approval  
Quality Points: A = 4

This course will introduce students to spreadsheets and database applications, using Microsoft Excel and Access. Students will learn to create and manipulate basic business spreadsheets with the Excel program. Students will be expected to create databases and design forms, tables, and queries using Excel and Access application. This course meets daily for a semester.

## **Computer Programming I**

**141**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Department Approval  
Quality Points: A = 4

This course is an introduction to structured computer programming in the Java language and other high level languages with an emphasis on problem solving and business applications including the study of top-down design, data structures, file I/O and recursion. This course focuses on concepts, techniques and knowledge unfamiliar to most students and necessitates more of a time commitment than other technology courses. This course meets daily for a full year.

## **Web Page Design and Maintenance**

**142**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Department Approval  
Quality Points: A = 4

The focus of this course is to create and maintain web pages and web sites. Prepackaged web design software, HTML, and JavaScript will be used in the creation and upkeep of the web sites. This course meets daily for a semester.

## **AP Computer Science A**

**144**

Grade: 11th, 12th  
Elective  
Prerequisites: A in Algebra II or B in Advanced or Honors Algebra II  
Quality Points: A = 5

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development. It also includes the study of data structures and abstraction. Students completing the AP Computer Science course will be able to:

- Code fluently in an object-oriented paradigm using the programming language Java. Students will be familiar with and be able to use standard Java library classes from the AP Java subset.
- Design and implement computer-based solutions to problems in a variety of application areas.
- Use and implement commonly-used algorithms and data structures.
- Develop and select appropriate algorithms and data structures to solve problems.
- Read and understand a large program consisting of several classes and interacting objects.
- Identify the major hardware and software components of a computer system, their relationship to one another, and the roles of these components within the system.

This course meets daily for a full year.

## **ENGLISH DEPARTMENT**

### **English 9**

**212**

Grade: 9th

Required

Prerequisites: Admission to English 9 is based upon 8th grade English performance, local percentile on the High School Placement Test or other standardized test scores and input provided by the student's 8th grade English teacher.

Quality Points: A = 4

The course includes a review of grammar fundamentals and basic conventions of essay writing. Students will be provided activities for enhancing reading comprehension skills and for expanding vocabulary. Students will read literature appropriate for college-prep 9th graders and develop literature-based essays using literary criticism and electronic databases. Composition skills and MLA research documentation will be emphasized. The course will necessarily include an introduction to various literary genres and devices through the study of mythology, short stories, novels, poetry, and drama.

### **Advanced English 9**

**211**

Grade: 9th

Required

Prerequisites: Admission to Advanced English 9 is based upon 8th grade English performance, local percentile on the High School Placement Test or other standardized test scores and input provided by the student's 8th grade English teacher.

Quality Points: A = 4

The course includes an overview and fast-paced review of grammar fundamentals and basic conventions of essay writing. Students will be provided advanced activities for enhancing reading comprehension skills and for expanding vocabulary. Students will read literature appropriate for accelerated 9th graders and develop literature-based essays using literary criticism and electronic databases. Advanced composition skills and MLA research documentation will be emphasized. The course will necessarily include an introduction to various literary genres and devices through the study of mythology, short stories, novels, poetry, and drama. Students at the advanced level will read supplemental texts and write additional essays.

## English 10

222

Grade: 10th  
Required  
Prerequisites: English 9  
Quality Points: A = 4

This course includes (1) study of World Literature through novels, short stories, drama, and poetry; (2) grammar fundamentals and the reinforcement of these essential grammar skills within the context of writing assignments; (3) introduction to evaluative and analytical essays including the use of secondary sources; (4) continuation of vocabulary development, reading comprehension, and literary terms.

## Advanced English 10

221

Grade: 10th  
Required  
Prerequisites: Advanced English 9 with a **B- average** both semesters or English 9 with a **B+ average** both semesters and recommendation of the ninth grade English teacher. Evidence-Based Reading and Writing test scores from the PSAT are taken into consideration in order to place students where they will be most successful.  
Quality Points: A = 4

This course includes (1) study of World Literature through novels, short stories drama, and poetry (2) grammar fundamentals and the reinforcement of these essential grammar skills within the context of writing assignments; (3) introduction to evaluative and analytical essays including the use of secondary sources; (4) continuation of vocabulary development, reading comprehension, and literary terms.

## Honors English 10

223

Grade: 10th

Required

Prerequisites: Advanced English 9 with a **B average** both semesters or English 9 with an **A- average** both semesters. Evidence-Based Reading and Writing test scores from the PSAT are taken into consideration in order to place students where they will be most successful.

Quality Points: A = 5

This course includes many of the same topics taught in Advanced English 10, but involves a more comprehensive focus on World Literature and additional outside reading. Additional focus will be on rhetoric and its application to writing. Student essays, including in-class prompts, will require a high level of critical thinking.

## English 11

232

Grade: 11th

Required

Prerequisites: English 10

Quality Points: A = 4

This course includes (1) writing skills techniques (e.g., prewriting, organization, drafting, revisions, etc.); (2) documented essays using primary and, in some cases, secondary sources; (3) concentrated practice in literary analysis; (4) reading comprehension; (5) continued vocabulary development; and (6) general survey of the literary periods and genres of American Literature, with attention to historical and social contexts.

## Honors English 11

231

Grade: 11th

Required

Prerequisites: Advanced English 10 with a **B- average** both semesters or English 10 with an **A- average** both semesters and recommendation of the tenth grade English teacher. Evidence-based reading and writing test scores from the PSAT are taken into consideration in order to place students where they will be most successful.

Quality Points: A = 5

This course includes (1) writing skills techniques (e.g., prewriting, organization, drafting, revision, etc.); (2) a documented essay using primary and secondary resources;(3) concentrated practice in writing analytical essays; (4) reading comprehension;(5) continued vocabulary development: and (6) general survey of the literary periods and genres of American Literature. Students will be required to read additional texts and write frequent short papers.

## Advanced Placement English 11

233

### English Language and Composition

Grade: 11th

Required

Prerequisites: Honors English 10 with a **B- average** both semesters or Advanced English 10 with an **A- average** both semesters. Evidence-Based Reading and Writing test scores from the PSAT are taken into consideration in order to place students where they will be most successful.

Quality Points: A = 5

This course comprises much of the material covered in English 11 Honors as well as the principles of rhetoric and argument. The course will prepare students for the required College Board Advanced Placement Test given in May. This demanding and challenging course will be offered to students who show the aptitude, desire, and work ethic for a college level course.

## English 12

242

Grade: 12th  
Required  
Prerequisites: English 11  
Quality Points: A = 4

This course includes (1) a survey of British Literature; (2) review and practice of paragraph and essay structure; (3) reinforcement of essential grammar skills within the context of writing assignments; (4) reading comprehension, summary and analysis; (5) composition resulting in documented essays using both primary and, in some cases, secondary sources; and (6) vocabulary development.

## Honors English 12

241

Grade: 12th  
Required  
Prerequisites: Honors English 11 with a **B- average** both semesters or English 11 with an **A- average** both semesters and the recommendation of the 11th grade English teacher. Evidence-Based Reading and Writing test scores from the PSAT, SAT, or ACT are taken into consideration in order to place students where they will be most successful.  
Quality Points: A = 5

This course includes (1) an in-depth study of British Literature through close reading and discussion; (2) advanced composition resulting in several documented literary analyses using primary and, in some cases, secondary sources; and (3) vocabulary development.

## Advanced Placement English 12

243

### English Literature and Composition

Grade: 12th

Required

Prerequisites: AP English Language and Composition with a **B- average** both semesters or Honors English 11 with an **A- average** both semesters. Evidence-Based Reading and Writing test scores from the PSAT, SAT, or ACT are taken into consideration in order to place students where they will be most successful.

Quality Points: A = 5

This course includes all the essentials of English 12 Honors with the addition of several sophisticated texts and will prepare the student for the required College Board Advanced Placement Test given in May. This very demanding course is offered only to the student who shows the aptitude for the challenge of a college equivalent course in high school.

## Advanced Placement English 12

244

### English Language and Composition

Grade: 12th

Required

Prerequisites: Honors English 11 with a **B- average** both semesters or English 11 with an **A average** both semesters. Evidence-Based Reading and Writing test scores from the PSAT are taken into consideration in order to place students where they will be most successful.

Quality Points: A = 5

This course comprises much of the material covered in English 12 Honors as well as the principles of rhetoric and argument. The course will prepare students for the required College Board Advanced Placement Test given in May. This demanding and challenging course will be offered to students who show the aptitude, desire, and work ethic for a college level course.



## **Journalism**

**234**

Grade: 10th, 11th, 12th

Elective

Prerequisites: B average in English with approval of the instructor and student editors prior to Spring registration.

Quality Points: A = 4

This class is designed to give practical experience in interviewing and writing techniques (news, features, editorials, and sports coverage), photography, and layout. Word processing skills are necessary. The students are responsible for publishing the school newspaper once a month and a literary magazine once a year. Students also produce and continuously update a website containing articles, photographs and video interviews. This class meets every day for a full year.

## **Yearbook**

**235**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Must apply, secure teacher recommendations, maintain B average in English and be interviewed by the instructor and the student editors prior to Spring registration.

Quality Points: A = 4

The student is instructed in layout design, copy and caption writing, photo cropping and all aspects of preparing the yearbook. Selected students are designated as photographers. A calendar is posted with the deadlines and other assignments for all phases of the yearbook. This class meets every day for a full year.

## **Social Issues in Literature**

**250**

Grade: 11th, 12th

Elective

Prerequisites: None.

Quality Points: A = 4

Social Issues in Literature focuses on texts and authors who raise up issues of race, gender, ethnicity, and socio-economics. Shorter non-fiction selections (e.g. speeches, essays, and articles) and fiction texts (e.g. short stories and novellas) as well as poetry serve as fodder for in-class discussions, collaboration, and project-based learning. This class meets daily for a semester.

## Honors Social Issues in Literature

251

Grade: 11th, 12th

Elective

Prerequisites: Honors English 11 with a B- average both semesters or English 11 with an A average both semesters or Honors English 10 with a B average both semesters, Advanced English 10 with a B average both semesters, or English 10 with an A average both semesters..

Quality Points: A = 5

Honors Social Issues in Literature focuses on texts and authors who raise up issues of race, gender, ethnicity, and socio-economics. Non-fiction selections (e.g. speeches, essays, and articles) and fiction texts (e.g. short stories and novellas) as well as poetry serve as fodder for in-class discussions, collaboration, essays, research, and project-based learning. This class meets daily for a semester.

## **INTERDISCIPLINARY STUDIES**

### **Academic Skills**

**510**

Grade: 9th, 10th, 11th, 12th  
Prerequisites: Students in all grades, must have current Psychological Educational Testing to be placed in Academic Support. High School Placement Test scores and the recommendation from Learning Support teacher will be utilized.  
Quality Points: A = 4

The course work is designed to improve writing, vocabulary and study skills. This class will meet daily for a semester with evaluation at the end of the first semester to determine whether a student would benefit from an additional semester.

### **SAT Prep**

**531**

Grade: 10th, 11th  
Elective  
Prerequisites: Must have completed Geometry  
Quality Points: A = 4

This course is designed to help students prepare for the SAT. The class is divided into two groups. Each group practices one quarter for the verbal portion of the SAT and the other quarter for the mathematics portion. The verbal portion discusses reasoning strategies for tackling the two sections of the SAT: 1) critical reading and sentence completion 2) writing, essay punctuation and grammar. Students are required to research college(s) of their choice in order to become familiar with different entrance requirements and other college criteria. Students are also asked to complete an SAT application and strongly encouraged to take the first test given immediately upon finishing the course. The math portion reviews the specific math skills (basic math, algebra, geometry) and strategies needed for success on the three math sections of the SAT. The entire course provides several SAT practice tests in order for the students to become familiar and comfortable with the actual test. This course meets daily for a semester

# MATHEMATICS DEPARTMENT

## **Algebra I**

**612**

Grade: 9th  
Required  
Prerequisites: Pre-Algebra  
Quality Points: A = 4

This course includes a review of operations with integers, fractions, and decimals; solving equations and inequalities in one variable; introduction to functions; linear functions; systems of linear equations and systems of linear inequalities; operations with polynomials; factoring polynomials; quadratic functions; and displays of categorical and quantitative data and numerical summaries of quantitative data.

## **Advanced Algebra I**

**613**

Grade: 9th  
Required  
Prerequisites: Pre-Algebra  
Quality Points: A = 4

This course includes a brief review of operations with integers, fractions, and decimals; solving equations and inequalities in one variable; introduction to functions; linear functions; systems of linear equations and systems of linear inequalities; operations with polynomials; factoring polynomials; quadratic functions; and displays of categorical and quantitative data and numerical summaries of quantitative data.

## **Geometry**

**622**

Grade: 10th

Required

Prerequisites: Algebra I and Department Approval

Quality Points: A = 4

This course includes basic terms and symbols; congruence and similarity of polygons and circles; area and volume; parallel and perpendicular lines; transformations; and an introduction to proof; sampling methods and experimental design.

## **Advanced Geometry**

**624**

Grade: 9th, 10th

Required

Prerequisites: Middle school Algebra with a grade of C or higher both semesters

Quality Points: A = 4

This course includes the study of basic terms and symbols; congruence and similarity of polygons and circles; area and volume; parallel and perpendicular lines; transformations; proofs; sampling methods and experimental design.

## **Honors Geometry**

**623**

Grade: 9th, 10th

Required

Prerequisites: Middle school Algebra with a grade of A- or higher or Advanced Algebra at CCHS with a grade of A- or higher. Local percentile scores on the High School Placement Test are considered and utilized.

Quality Points: A = 5

This rigorous course is designed for students who possess a strong work ethic and ability to think critically and includes the in depth study of basic terms and symbols; congruence and similarity of polygons and circles; parallel and perpendicular lines; transformations; proofs; sampling methods and experimental design.

## Algebra II

632

Grade: 11th

Required

Prerequisites: Geometry and Department Approval

Quality Points: A = 4

This course includes the study of linear, quadratic, exponential, logarithmic, radical, rational and trigonometric functions; complex numbers; correlation and regression; normal models; and confidence intervals for proportions and means.

## Advanced Algebra II

630

Grade: 10th, 11th

Required

Prerequisites: Advanced Geometry and Department Approval

Quality Points: A = 4

This course includes the study of linear, quadratic, exponential, logarithmic, radical, rational and trigonometric functions; complex numbers; correlation and regression; normal models; and confidence intervals for proportions and means.

## Honors Algebra II

633

Grade: 10th, 11th

Required

Prerequisites: Advanced Geometry with a minimum A- test average and Department Approval

Quality Points: A = 5

This rigorous course is designed for students who possess a strong work ethic and ability to think critically and includes the in depth study of linear, quadratic, exponential, logarithmic, radical, rational and trigonometric functions; complex numbers; correlation and regression; normal models; and confidence intervals for proportions and means. **Candidates who meet the above prerequisites must take a qualifying Algebra I Skills assessment. Acceptance into this course is contingent on the candidate's performance on the qualifying assessment.**

## **Functions and Modeling**

**637**

Grade: 11th, 12th  
Elective  
Prerequisites: Algebra II or Advanced Algebra II and Department Approval  
Quality Points: A = 4

This course provides students the opportunity to further study linear, quadratic, exponential, logarithmic and trigonometric functions prior to Pre-Calculus. Much of the emphasis is on the real-world applications. This course satisfies the UNC System admission requirements of a 4th year math course beyond Algebra II, but does not meet the requirements for Calculus.

## **Advanced Pre-Calculus**

**635**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Advanced Algebra II with a minimum B test average and Department Approval or Functions and Modeling with Department Approval.  
Quality Points: A = 4

This course includes the further development and analysis of functions including polynomial, rational, exponential, and logarithmic and trigonometric functions. Also included are probability, counting, sequences and series, conic sections, the complex number system, hypothesis testing for means and proportions.

## **Honors Pre-Calculus**

**643**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Honors Algebra II with a minimum B test average and Department Approval.  
Quality Points: A = 5

This rigorous is designed for students who possess a strong work ethic and ability to think critically and includes the further development and analysis of functions including polynomial, rational, exponential, and logarithmic and trigonometric functions. Also included are probability, counting, sequences and series, conic sections, the complex number system, hypothesis testing for means and proportions.

## **Discrete Math**

**648**

Grade: 12th

Elective

Prerequisites: Functions and Modeling or Advanced Pre-Calculus and Department Approval.

Quality Points: A = 4

This course is designed for seniors who have completed Functions and Modeling or Pre-calculus. Topics include a review of algebraic functions and geometry, set theory, number theory, graph theory, logic, consumer math, and voting methods.

## **Honors Calculus**

**644**

Grade: 12th

Elective

Prerequisites: Honors Pre-Calculus or Advanced Pre-Calculus and Department Approval.

Quality Points: A = 5

Topics included in this course are limits, derivatives of both algebraic and transcendental functions, methods of integration, and applications of the derivative and integral.

## **Statistics**

**636**

Grade: 10th, 11th, 12th

Elective

Prerequisites: B in Advanced Geometry or a C in Advanced Algebra II and Departmental Approval.

Quality Points: A = 4

This course will teach students about the major concepts of data analysis, data collection, probability, and statistical inference. Students who earn an A- or better will be eligible to apply for AP Statistics the following year. This course does not satisfy the UNC system admission requirement of a 4th year math course beyond Algebra II. This class meets daily for a full year.



## Advanced Placement Statistics

646

Grade: 11th, 12th  
Prerequisites: See below  
Quality Points: A = 5

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. (apcentral.collegeboard.org)

All students must take the AP Statistics exam in May.

Selection of students for this course will be based on the following:

1. A minimum B average in Honors Pre-Calculus, Honors Calculus, or AP Calculus or a minimum A average in Honors Algebra 2 for the first semester
2. Current Math teacher recommendation
3. PSAT Math score and PSAT Evidence-Based Reading and Writing score.

## Advanced Placement Calculus AB

645

Grade: 12th  
Prerequisites: See below  
Quality Points: A = 5

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. (apcentral.collegeboard.org)

All students must take the AP Calculus AB exam in May.

Selection of students for this course will be based on the following:

1. Honors Pre-Calculus teacher recommendation
2. Honors Pre-Calculus grade for the first semester
3. PSAT Math score
4. Honors Physics grade for the first semester

## Advanced Placement Calculus BC

651

Grade: 12th  
Prerequisites: See below  
Quality Points: A = 5

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and includes the content learned in Calculus AB while extending it to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. ([apcentral.collegeboard.org](http://apcentral.collegeboard.org))

All students must take the AP Calculus BC exam in May.

Selection of students for this course will be based on the following:

1. Honors Pre-Calculus teacher recommendation
2. Honors Pre-Calculus grade for the first semester
3. PSAT Math score
4. Honors Physics grade for the first semester

# PHYSICAL EDUCATION DEPARTMENT

## Health

512

Grade: 9th  
Required  
Prerequisites: None  
Quality Points: A = 4

The basic aim of the health course is to assist the student in seeking solutions to their health problems and to help them reach the level of self-awareness that will enable them to become an active participant in their own health education. The course includes the study of: (1) all the major body systems, (2) tobacco, alcohol, drugs, (3) mental and social health, (4) health products, services and careers, (5) nutrition, (6) human sexuality. This class meets daily for a semester.

## Physical Education

513

Grade: 9th  
Required  
Prerequisites: None  
Quality Points: A = 4

The major theme of this course is instruction in skills for leisure time participation. The following sports are included in the course: pickle ball badminton, basketball, volleyball, softball, weight lifting, soccer, floor hockey and football. This class meets daily for a semester.

## Toning and Sculpting

523

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This course is designed to teach strength training and body sculpting. Emphasis will be placed on non-athletic lifts. Wellness and fitness will be the priority rather than muscle and strength development. This class meets daily for a semester.

## **Aerobics**

**521**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course will focus on simple endurance and aerobic movements in order to increase physical abilities. Areas covered free weight training, cardio aerobics, yoga and the ability to understand physical fitness as part of a healthy lifestyle. Each student will be required to dress in appropriate gym attire and keep a journal log on his/her nutrition and physical activity. The class meets daily for a semester.

## **Weight Lifting**

**522**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course is designed to educate students on the proper techniques of weight lifting, how to target specific muscle groups and the design and implementation of using a lifting schedule. This course meets daily for a semester.

**Jazzercise****524**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course will focus on the elements of dance with cardio movement exercises. Pilates and yoga style stretching will also be implemented. This class meets daily for a semester.

**Fitness and Nutrition****525**

Grade: 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course is designed to take an in depth at wellness challenges that our students will face in their college years. Topics such as: stress, nutrition, fitness, and time management will be some of the topics addressed. This class meets daily for a semester.

## **SCIENCE DEPARTMENT**

### **Biology**

**822**

Grade: 9th  
Required  
Prerequisites:  
Quality Points: A = 4

The primary objective of this course is to introduce the student to a broad, general understanding of the fundamental principles of biology through a study of humans and their interaction with other organisms and their mutually shared environment. This course includes the study of cell structure and function, function and structure of plants and animals (systems study), reproduction, genetics, evolution and ecology. Laboratory exercises, dissection, and reports are significant factors in the course evaluation

### **Advanced Biology**

**821**

Grade: 9th  
Required  
Prerequisites: Algebra I (must have at least a B+ in 8th grade Algebra), 8th grade Science (minimum grade of 87), and Departmental Approval. Local percentile scores on the High School Placement Test are considered and utilized.

The purpose of this course is to introduce the student to an in-depth study of the basic principles of biological processes. The units will include biochemistry, cell functioning, photosynthesis, respiration, DNA, genetics, biotechnology, evolution, surveys of the six kingdoms, human systems, and ecology. Emphasis will be placed on analysis and critical thinking skills. Considerable writing of essays on tests, homework, and lab reports will be required. Dissection will be required.

## **Integrated Chemistry and Physics**

**839**

Grade: 10th  
Prerequisites: Biology  
Quality Points: A = 4

Integrated Chemistry and Physics explores matter, energy, and the interaction between matter and energy. The course is designed to provide a stronger background in the physical principles of nature. Topics include atomic structure, chemical properties, chemical reactions, motion, energy, waves, electricity and nuclear reactions. Emphasis is placed on applying the physical principles and gaining an understanding of the concepts. Laboratory work is an integral part of this course and reinforces the concepts presented. Hands-on activities improve skills in measuring, graphing, interpreting results, and communicating results.

## **Advanced Chemistry**

**829**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Biology, Advanced Algebra I, Geometry, Algebra II (may be taken concurrently) and Department Approval.  
Quality Points: A = 4

This course covers the fundamentals of chemistry. Topics will include, but are not limited to, atomic structure, writing chemical names and formulas, balancing chemical equations, solving stoichiometric problems, behavior of gases, properties of solutions, and acid-base chemistry. Students will participate in lab activities and will be evaluated on their performance and lab results. Information in this course is progressive by nature and requires recall of information accumulated throughout the year.

## Honors Chemistry

832

Grade: 10th, 11th, 12th

Elective

Prerequisites: Biology, Adv. or Honors Geometry, and Department Approval (must have at least a B in Honors math or an A in Advanced math; must have at least a B in Advanced Biology or an A in Biology).

Quality Points: A = 5

This rigorous course is designed for students who possess a strong work ethic and the ability to think critically. This class covers the structure, properties, and changes of matter. The content includes atomic structure, bonding, chemical names and formulas, periodic properties, chemical equations and types of reactions, stoichiometric calculations, acid base theories, and topics in redox and equilibrium. Laboratory activities and their written results are relevant to course evaluation.

## Oceanography

835

Grade: 11th, 12th

Elective

Prerequisites: Biology and Department Approval.

Quality Points: A = 4

Oceanography explores the geology, chemistry, physics, marine biology, and ecology of the oceans. The topics covered in this course include ocean topography, water chemistry, tidal patterns, currents and waves, marine organisms from seaweeds to sharks, as well as ecosystems such as coral reefs and the deep. Environmental impacts, cultural issues, and the history surrounding the oceans will also be discussed. The course involves lab activities such as dissections, multimedia presentations, lecture, note taking and creative research projects. Students will develop an understanding and appreciation for the ocean and its complex systems. **Students must participate in four dissections.**



## Environmental Science

833

Grade: 11th, 12th  
Elective  
Prerequisites: Biology and Department Approval.  
Quality Points: A = 4

Environmental Science is offered to those students interested in studying present issues concerning the earth and its environment. The course seeks to prepare the student to understand some grave issues facing our planet in the 21st century. Topics covered include the ecology of organisms, the human role in protecting the environment, extinction of species, energy resources and consumption, populations, and various pollutants. Discussion focuses on the causes of present environmental issues and includes problem solving to seek answers. Labs, projects, and activities relating to current issues are an important part of the course. Research, short papers and/or presentations are required.

## Honors Anatomy and Physiology

844

Grade: 11th, 12th  
Elective  
Prerequisites: Biology, Honors Chemistry (must have a B average) or Advanced Chemistry (must have an A average) and Department Approval.  
Quality Points: A = 5

This rigorous course is designed for students who possess a strong work ethic and the ability to think critically. It is a yearlong, elective course designed for those students who may want to enter the medical or biological fields. The course is an in- depth study of the systems of the human body. Emphasis is placed on the structure and function of the digestive, circulatory, respiratory, locomotive (skeletal and muscular), and excretory systems. Students will be required to learn the parts of each system, understand the functions of each part, and the interdependence of the systems. **Dissection of the cat and a research paper are required.** Strong memorization skills are required for success.

## **Physics**

**838**

Grade: 11th, 12th  
Elective  
Prerequisites: Geometry, Biology and Departmental Approval.  
Quality Points: A = 4

This introductory physics course is designed to relate the principles of physics to the world that surrounds the students. The topics include motion, force, energy, properties of matter, heat, sound, light, electricity and magnetism, and atomic theory. The concepts of physics are emphasized using a minimum of mathematical problem solving. The course will exhibit the connection between physics and the student's world through activities. This class meets every day for a year.

## **Honors Physics**

**845**

Grade: 11th, 12th  
Elective  
Prerequisites: Biology, Honors Chemistry (may be taken concurrently), Algebra II (must have at least a B in Honors Algebra II or an A in Advanced Algebra II) and Department Approval.  
Quality Points: A = 5

This rigorous course is designed for students who possess a strong work ethic and the ability to think critically. This introductory physics course covers the major topics in physics and uses a variety of media. The topics include motion, force, work, energy, thermodynamics, waves, optics, electricity, magnetism, quantum and atomic theory and the nucleus. Problem-solving and laboratory work are integral parts of the course.

## **Forensic Science**

**850**

Grade: 11th, 12th  
Elective:  
Prerequisites: Biology and Chemistry.  
Quality Points: A = 4

This semester course will familiarize students with the basic principles and uses of forensic science in the American justice system. Students will be able to apply biological, physical and chemical sciences to questions of evidence and law. It will assist students in developing critical thinking and problem solving skills.

## Advanced Placement Biology

841

Grade: 11th, 12th

Elective

Prerequisites: Advanced Biology (with a B+ average), Honors Chemistry (with a B+ average), Honors Physics (may be taken concurrently) and the AP selection process.

Quality Points: A = 5

This course prepares the student to take the AP exam. It is designed for students who are strongly considering furthering their studies in the life sciences and/or medical fields. The course content includes in-depth study of biochemistry, energy flow and biochemical reactions, cellular metabolism, internal structure and organization of cells, heredity, evolution, population genetics, ecosystems and community interactions, and botanical and zoological diversity. AP labs and other labs are incorporated throughout the course. Students are involved in problem solving, doing experimentations, and writing essays on various topics. Students must take the AP Biology exam given in May.

**The AP selection process will include consideration of PSAT scores, GPA, previous science grades, evaluation of current work, and departmental guidelines.**

## Advanced Placement Chemistry

842

Grade: 11th, 12th

Elective

Prerequisites: Biology, Honors Chemistry, (with at least a B+) Honors Algebra II (with at least a B+) or Advanced Algebra II (with an A average) Honors Physics (may be taken concurrently); and the AP selection process.

Quality Points: A = 5

AP Chemistry is designed as a second year chemistry course. This is an elective science covering the topics usually included in a first-year college course in chemistry. The course content includes an in-depth study of bonding, solutions, acids and bases, equilibrium, kinetics, thermodynamics, and descriptive chemistry. Laboratory activities comprise forty percent of course time. Student must take the AP Chemistry examination in May.

**The AP selection process will include consideration of PSAT scores, GPA, previous science grades, evaluation of current work, and departmental guidelines.**

## Advanced Placement Environmental Science

843

Grade: 11th, 12th  
Elective  
Prerequisites: Biology, Honors Chemistry or Honors Physics and the AP selection process.  
Quality Points: A = 5

This course covers topics usually included in a first year college course in environmental science. AP Environmental Science provides the student with the opportunity to understand interrelationships of the natural world, to investigate natural and man-made environmental problems and to explore ideas to prevent or solve these problems. Topics covered include renewable and nonrenewable resources, earth dynamics, cycling of matter, ecosystems, atmospheric dynamics, environmental quality, and energy production and development along with their local and global consequences. Students are involved in laboratory work, problem solving, research and fieldwork related to environmental issues. Environmental community service hours are required each quarter in addition to any service hours for religion. Students must take the AP Environmental exam in May.

**The AP selection process will include consideration of PSAT scores, GPA, previous science grades, evaluation of current work, and departmental guidelines. Recommend: B+ in Honors Chemistry or Honors Physics and PSAT/SAT verbal score of 540 or the equivalent for the ACT.**

## Advanced Placement Physics C: Mechanics

847

Grade: 12th  
Elective  
Prerequisites: Biology, Honors Chemistry, Honors Physics, AP Calculus. AP Calculus can be taken concurrently.  
Quality Points: A = 5

This course is a full year in-depth study of Newtonian mechanics. The content includes kinematics, Newton's laws of motion, work, energy and power, systems of particles and linear momentum, circular motion and rotation, and oscillations and gravitation. The course is heavily lab based. Students will be required to keep a lab notebook. Students will be involved in problem solving that will include the use of calculus. Students must take the AP Physics exam given in May.

**The AP selection process will include consideration of PSAT scores, GPA, previous science grades, evaluation of current work, and departmental guidelines. Recommend: B+ in Honors Physics and strong math and reasoning skills.**

## Introduction to Engineering

581

Grade: 11th, 12th

Elective:

Prerequisites: None

Quality Points: A = 4

Introduction to Engineering is designed to introduce the student to the world of technology and engineering and to prepare the students to the second year Honors Engineering course. Through this course students will explore various methods and tools used in engineering projects. The course will introduce the students to the following topics: principles of Metrology, theoretical and practical aspects of precision measurement; introduction to AutoCAD, a computer-aid drafting software program used to create blueprints for buildings, bridges, computer chips and other engineering parts; principles of 3D Printing, a process of making a physical object from a three-dimensional digital model; principles of Statics and Strength of Material, a subject which deals with the behavior of solid objects to stress and strains; principles of CNC Machining, a subject which deals with pre-programmed computer software dictating the movement of mill, lathe and other factory tools and machinery; introduction to Material Science, study to the relationships between the synthesis, processing, structure, and performance of materials; principles of Welding, a subject which deals with welding safety, Occupational Safety and Health Administration (OSHA), instruction on various types of welding equipment and processes, basic welding gases, fluxes, rods, electrodes, and symbols, metal preparation and joint design; principles of Low Voltage Electric Circuits, Electric Motors, Electric Generators, and Integrated Circuits; introduction to Alternative Energy methods, a subject which deals with society's present needs and future energy demands, examine conventional energy sources and systems, including fossil fuels and nuclear energy, and then focus on alternate, renewable energy sources such as solar, biomass (conversions), wind power, geothermal, and hydro. Energy conservation methods will be emphasized. The projects will be accomplished individually and in teams mostly in class. Quizzes, Midterm Exam and Final Exam will be used to assess students' learning. This class meets daily for a full year.

## Honors Engineering

582

Grade: 12th

Elective

Prerequisites: Introduction to Engineering or recommendation from Physics, Chemistry or Computer Science teacher.

Quality Points: A = 5

Honors Engineering is designed to prepare students who want to pursue a degree in Science Technology Engineering Mathematics (STEM). This is a second year of a two-year program and will give more emphasis on computer programming. The course will introduce the students to the following topics: principles of Python programming, a subject which teaches the students details of how to start and stop the interpreter and write programs and how to create a variety of scripts and applications with microcontrollers such as Raspberry Pi and Arduino; principles of R programming, teach participants how to develop workflows going from raw data to graphics and statistical analysis; Engineering project, a subject which teaches the students how to go from idea to reality incorporating various skills obtained during high school. The project will include a finished product concept with physical prototype, operation manual, cost model, pricing, and manufacturing plans. This class meets daily for a full year.

## **SOCIAL STUDIES DEPARTMENT**

### **Ancient World History**

**925**

Grade: 9th  
Required  
Prerequisites: None  
Quality Points: A = 4

This course will broaden the basic skills used to examine history. Students will begin to develop a deeper understanding of historical concepts and relationships by learning how to use analytical and critical reading, thinking and writing in the freshman year. It will begin with an introduction to the origins of government and society in the Western World through studying the Ancient World, Ancient Greece and Ancient Rome and the forms of government that developed Western societies including the U.S. government. This class meets daily for a semester.

### **World History**

**921**

Grade: 10th  
Required  
Prerequisites: None  
Quality Points: A = 4

This is a survey course in World History with a scope and sequence that includes both western and non-western to the present. The coverage of this course extends from the early Middle Ages to the present. This course builds upon the skills that were introduced in the ninth grade Ancient World History course. This course will teach evaluating historical evidence with primary source documents and analyzing visual primary sources. This class meets daily for a full year.

## **Advanced World History**

**922**

Grade: 10th

Required

Prerequisites: A B in Advanced English 9 or an A- in English 9 and Department Approval.

Quality Points: A = 4

This is a survey course with a scope and sequence that includes both western and non-western world. The coverage of this course extends from the early Middle Ages to the present. This course builds upon the skills that were introduced in the ninth grade Ancient World History course. As an advance course, it will require analytical and critical thinking and writing skills including outside research. This course meets daily for a full year.

## **Honors World History**

**924**

Grade: 10th

Required

Prerequisites: Student must undergo a selection process including submission of their English 9 grade (B+ in Advanced English 9 or A in English 9) and Evidence-Based Reading and Writing PSAT scores.

Quality Points: A = 5

This course includes the main topics that are taught in World History but also will include a more comprehensive focus on areas outside Western Civilization. The additional focus will be on the civilizations of Asia, Africa and the Americas. Students will be required to do much more reading, frequent short papers, and extended writing assignments. Students will be required to use supplemental readings from The Human Record. This course meets daily for a full year.

## **U.S. History**

**931**

Grade: 11th

Required

Prerequisites: World History

Quality Points: A = 4

This is a survey course in U. S. History. The following topics are among those discussed: discovery and colonization, the revolution and the national era, the Civil War and reconstruction, industrialism and the Progressives, the two World Wars, and post-World War II. This course meets daily for a full year.



## **Honors U.S. History**

**932**

Grade: 11th

Required

Prerequisites: A B+ in Advanced World History, a B in Honors World History, or an A in World History and a strong recommendation from the student's current English teacher.

Quality Points: A = 5

This course includes the main topics that are taught in U.S. History, but will require reading of historical fiction and primary source material as well as several short papers on topics appropriate to the course materials. This course meets daily for a full year.

## **Advanced Placement U.S. History**

**933**

Grade: 11th

Required

Prerequisites: Students must undergo the normal AP selection process including submission of their World History grade and Evidence Based Reading and Writing PSAT scores and teacher recommendation.

Quality Points: A = 5

This course includes the main topics that are taught in U.S. History, but will require much more reading including primary sources, and frequent short papers. The short papers are of two types: the Free-Response Essay and the Document-Based Question. Students are required to take the Advanced Placement U.S. History Exam given in May. This course meets daily for a full year.

## **Psychology**

**941**

Grade: 11th and 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course discusses such topics as humanism, behaviorism, Freud and the major pioneers in psychology, personality, intelligence, learning, developmental theories, psychological testing and abnormal psychology. This class meets daily for a semester.

## **Advanced Placement Psychology**

**962**

Grade: 11th, 12th

Elective

Prerequisites: Rising juniors must have an A in their Honors English class. Rising seniors must have an A in their Honors English class unless they are in AP English, in which case they can have a B and still qualify for the course.

Quality Points: A = 5

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. Students are required to take the AP Psychology exam given in May. This class meets daily for a full year.

## **Politics**

**942**

Grade: 12th

Required

Prerequisites: World History and U. S. History.

Quality Points: A = 4

This course in American government includes study of the structure of the national and state governments, the Constitution and laws, and the obligations of citizenship. This class meets daily for a semester.

## **Honors Politics**

**940**

Grade: 12th

Required

Prerequisites: Students must have an A both semesters in U.S. History or a B+ both semesters in Honors or a B in AP U.S. History.

Quality Points: A = 5

This is an honors level course in American government and political systems. Students study the same topics as the traditional government class, but will have additional reading and writing assignments. This course enables the student to develop an understanding of the main principles and philosophies behind our modern political system, as well as an understanding of national and state governments and the constitutional and legal system. This course meets daily for a semester.

## **Economics**

**943**

Grade: 12th

Required

Prerequisites: World History and U.S. History.

Quality Points: A = 4

This is a survey course covering the study of microeconomics. Primary focus is on the American economic system and topics covered include: demand, supply, market structures and the role of price in the market. In addition, students will be exposed to a variety of personal finance topics. This class meets daily for a semester.

## **Honors Economics**

**950**

Grade: 12th

Required

Prerequisites: Students must have a B+ in both semesters of Honors Pre-Calculus or an A- in both semesters of Pre-Calculus. Students must go through selection process.

Quality Points: A = 5

This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of market factors and the role of government in promoting greater efficiency and equity in the economy. The study of economics requires the student to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. Successful students in this course have demonstrated an above average aptitude in math. This class meets daily for a semester.

## Advanced Placement Microeconomics

948

Grade: 12th

Required

Prerequisites: B+ in Honors Pre-Calculus or an A in Advanced Pre-Calculus, Departmental Approval, and Math and Evidence Based Reading and Writing SAT scores will be considered and utilized for selection.

Quality Points: A = 5

The purpose of the AP course in Microeconomics 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. Students are required to take the Advanced Placement Microeconomics exam given in May. This class meets daily for a semester.

## AP Microeconomics and AP Macroeconomics

951

Grade: 12th

Elective

Prerequisites: B+ in Honors Pre-Calculus or an A in Pre-Calculus, Departmental Approval, and Math and Evidence Based Reading and Writing SAT scores will be considered and utilized for selection.

Quality Points: A=5

This class covers topics in both Microeconomics and Macroeconomics. The Microeconomics portion of the class will emphasize the nature and functions of product markets and includes the study of factor markets and the role of government in the economy. The Macroeconomics portion of the class will emphasize the study of national income and price-level determination and also develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Students must take both the Advanced Placement Microeconomics and Advanced Placement Macroeconomics exams given in May. This class meets daily for a full year.

**Advanced Placement United States Government 944**

Grade: 12th

Required

Prerequisites: Students must participate in the AP selections process that includes Departmental Approval after submission of their U.S. History and English grades. PSAT Evidence-Based Reading and Writing scores and overall GPA will also be considered in the selection process. At a minimum, students must have an A- both semesters in Honors English or B both semesters in AP English. Also, students must have an A- both semesters in Honors U.S. History or a B both semesters in AP U.S. History.

Quality Points: A = 5

This is an advanced course in American government and political systems. Students will study the same topics as the traditional government class, but will have additional reading and writing assignments. This course enables the student to develop an understanding of the main principles and philosophies behind our modern political system, as well as an understanding of national and state governments and the constitutional and legal system. Students will be required to take the AP Government test in May. This course meets daily for a semester.

**Advanced Placement U.S. Government  
and Comparative Government**

**952**

Grade: 12th

Elective

Prerequisites: Students must participate in the AP selections process that includes Departmental Approval after submission of their U.S. History and English grades. PSAT Evidence-Based Reading and Writing scores and overall GPA will also be considered in the selection process. At a minimum, students must have an A- both semesters in Honors English or B both semesters in AP English. Also, students must have an A- both semesters in Honors U.S. History or a B both semesters in AP U.S. History.

Quality Points: A = 5

In addition to the topics covered in AP U.S. Government, in this class students will develop an understanding of political theory and of global studies through specific analysis of different political entities. Students will learn the process that political scientists use to analyze and evaluate political systems. Upon completion of the Comparative Government portion of this class, students will be equipped to understand and evaluate geopolitical issues in an informed manner and will have developed the tools and methodology to understand and evaluate geopolitical issues that will arise in the future. Students must take both the Advanced Placement U.S. Government and Advanced Placement Comparative Government exams given in May. This class meets daily for a full year.

## THEOLOGY DEPARTMENT

### **Faith and Revelation: Knowing God through Sacred Scripture**

**013**

Grade: 9th  
Required: 1st Semester  
Prerequisites: None  
Quality Points: A = 4

This course begins with a brief orientation to philosophy and logic. The remainder of the course examines how God reveals himself to people. It examines Divine Revelation, that is, the inspired Word of God unveiled gradually throughout the history of salvation handed down as Sacred Tradition and written down as Sacred Scripture. It examines how the Magisterium of the Church transmits the Deposit of Faith infallibly and how our understanding of God's Revelation leads us to a more intimate relationship with the three Persons of the Blessed Trinity in this life and to eternal life in Heaven. It also explains how to read the Bible, emphasizing how the New Testament in Christ fulfills the covenants and promises that God made with his people in the Old Testament.

### **The Blessed Trinity and Our Christian Vocation**

**014**

Grade: 9th  
Required: 2nd Semester  
Prerequisites: None  
Quality Points: A = 4

This course presents the Blessed Trinity – one God in three divine Persons: Father, Son, and Holy Spirit – which is the central mystery of the Christian Faith. We are called to know and love God and to share in his divine life. Following the Nicene Creed and based on Sacred Scripture, the role of each Person of the Blessed Trinity in the plan of salvation and the Christian life is examined. It also looks at the role of the Blessed Virgin Mary as the Mother of God, Mediatrix, and Intercessor for all people. Ten hours of service are required.

## **The Mystery of Redemption and Christian Discipleship**

**023**

Grade: 10th  
Required: 1st Semester  
Prerequisites: None  
Quality Points: A = 4

This course examines the meaning of redemption; Original Sin; and how the salvific promise made to our first parents is fulfilled in the life, Death, Resurrection, and Ascension of Jesus Christ. Next, it explains how the Church continues the redemptive mission of Jesus Christ in the world today and how his redemption is applied in our own lives. The course also looks at how we are called to be formed in the image of Christ, who is the exemplar of the Christian life, and to cooperate with God's grace in every instance of our lives. Ten hours of service are required.

## **The Church: Sacrament of Salvation**

**024**

Grade: 10th  
Required: 2nd Semester  
Prerequisites: None  
Quality Points: A = 4

The Church, which is established by Jesus Christ and guided by the Holy Spirit, continues the salvific ministry of Christ in the world today; thus, the Church is both the Sacrament of Communion and the Sacrament of Salvation. This course presents the mission of the Church; her infallible teaching authority; the Sacraments as the primary means of transmitting God's grace; the role of the Blessed Virgin Mary, the Mother of the Church; the Universal Call to Holiness; and the four marks of the Church. Ten hours of service are required.



## **The Sacraments: Source of Our Life in Christ**

**034**

Grade: 11th  
Required: 1st Semester  
Prerequisites: None  
Quality Points: A = 4

This course recognizes how Jesus Christ, through his great love for us, instituted the Sacraments as the ordinary means of receiving salvation and entrusted them to the Church. It examines each Sacrament as a primary source of grace and an intimate encounter with Jesus Christ. Each of the Seven Sacraments is presented in its own chapter. It includes an investigation of major symbols associated with each sacrament and how each sacrament enables us more fully to be holy as Christ is holy. Ten hours of service are required.

## **Our Moral Life in Christ**

**036**

Grade: 11th  
Required: 2nd Semester  
Prerequisites: None  
Quality Points: A = 4

Through participation in this course students will learn how a well-formed conscience is essential to make moral decisions. This course aids the formation of our consciences by presenting an overview of the moral teachings of the Catholic Church. Following the Ten Commandments as elevated and perfected by Jesus Christ, it shows how we, aided by God's grace, can imitate the life of Christ in every circumstance of our lives taught by the Beatitudes. It examines topics important to social justice and the sacredness of human life. Ten hours of service are required.

## **History of the Church**

**043**

Grade: 12th  
Required: 2nd Semester  
Prerequisites: None  
Quality Points: A = 4

This course begins with the story of God's definitive intervention into human history in the Person of his Son and continues through his Church to the present day. In his plan of salvation, God sent the Holy Spirit to act through members of the Church to further his salvific mission to the whole world. It examines the lives of the saints and how they – by cooperating with God's grace in response to their divine vocations – helped to shape the life of the Church as well as Christian society and culture. This course will also provide and overview of sacred literature, art and music as an integral part of the liturgical life in each historical period. Ten hours of service are required.

## **Catholic Apologetics**

**046**

Grade: 12th  
Required: 1st Semester  
Prerequisite: None  
Quality Points: A = 4

This course prepares students for active dialogue with non-Catholics in the public sphere. It teaches the practical art of promoting the truth with charity in conversation with those not familiar with the Catholic faith. It builds on a basis of logical reasoning, and giving thoughtful explanation in response to atheism, non-Christian religions, and non-Catholic Christians. Major topics include the existence of God, miracles, Christ's Resurrection, the role of Mary and the saints, and the authority of the Church. Ten hours of service are required.

## **The Social Doctrine of the Catholic Church**

**045**

Grade: 12th  
Required: 2nd Semester  
Prerequisite: None  
Quality Points: A = 4

This course introduces students to the social teachings of the Catholic Church, a rich body of thought covering love and family, law and justice, war and peace, wealth and poverty, rights and duties, and freedom and obligation. This course shows how through the ages the Magisterium of the Church responds to social developments by interpreting Divine Revelation and teaching the demands of the Gospel with authority. The student will learn how Christ's divine love for others, especially the poor and most vulnerable, is present today in the Church's social doctrine and mission. Ten hours of service are required.

## **Vocations and the Universal Call to Holiness**

**051**

Grade: 12th  
Required: 1st Semester  
Prerequisites: None  
Quality Points: A = 4

This course explores the vocations of life that spring from our Baptism and how God calls each of us to holiness on earth and to eternal life with him in heaven. This course examines the universal call to holiness and its importance in the Christian life. It also analyzes the unique plan that God has for each individual in the vocations to Marriage, Holy Orders, the consecrated life, and the committed single life. Finally, it explains how each person can prayerfully discern the will of God in his or her own life. Ten hours of service are required.

# VISUAL AND PERFORMING ARTS DEPARTMENT

## **Art I**

**311**

Grade: 9th, 10th  
Elective  
Prerequisites: None  
Quality Points: A = 4

Art I is an introductory course focusing on fundamental art skills. Various media and tools are explored including painting, drawing, and sculpture. An emphasis is placed on understanding the Elements of Art and developing technique through the artmaking process. Key components of this class are color theory, one-point perspective, value gradation, and grid drawing. This class meets daily for a semester.

## **Art II**

**321**

Grade: 10th, 11th  
Elective  
Prerequisites: Art I  
Quality Points: A = 4

Art II is an intermediate course focused on expanding on fundamental art skills learned in Art I. An emphasis is placed on understanding and applying the Elements of Art and Principles of Design. Students practice two-point perspective and further explore color theory. Students are introduced to challenging drawing and painting subject matter. This class meets daily for a semester.

## **Art III**

**331**

Grade: 10th, 11th  
Elective  
Prerequisites: Art II  
Quality Points: A = 4

Art III is a proficient course focused on refining techniques and exploring concept. Various media and tools are explored including painting, drawing, printmaking, and mixed media. Art criticism, art history, and design principles are integrated into projects and class discussions. Students are introduced to abstract forms of artmaking and use synectic triggers to synthesize and express complex ideas. This class meets daily for a semester.

## **Honors Portfolio Prep**

**364**

Grade: 11th

Elective

Prerequisites: Art III, portfolio review, and Department Approval.

Quality Points: A = 5

Honors Portfolio Prep is an advanced course designed to prepare students for AP Studio Art and college portfolio submissions. Students will be introduced to the components of the AP Art Portfolio and art analysis through the Principles of Design. Students will begin exploring a preferred media and subject matter in his or her artwork. Students will learn how to properly photograph artwork and document the artistic process. This is an honors course and will include class critique, self evaluation, artist research, and homework. This class meets daily for a semester.

## **Honors Art IV**

**362**

Grade: 12th

Elective

Prerequisites: Art III, portfolio submission, and Department Approval.

Quality Points: A = 5

Honors Art IV is an advanced course focusing on refining proficient art skills through experimental and advanced techniques. Key topics include art history, art criticism, collaborative artwork, and conceptual artwork. Students will create an artwork to be installed in the school. The prerequisite is Art III and a portfolio submission. This class meets daily for a semester but may be taken for a full year.

## **AP Studio Art**

**358**

Grade: 12th

Elective

Prerequisites: Honors Portfolio Prep or Photo II with portfolio submission and Department Approval.

Quality Points: A = 5

AP Studio Art is a college equivalent course in which students create a 2D Design or a Drawing portfolio to be evaluated by the College Board. The AP portfolio submission focuses on the student's ability to recognize quality in her or his work, as well as drive a sustained investigation of a particular question through artmaking. Furthermore, students will be evaluated on their artistic growth, development of ideas, and will describe his or her artistic choices in writing. Self evaluation, class critique, artist research, experimentation, artmaking, and revision of artwork are key components of this class. Students must score a 3 or above to be awarded college credit. This class meets daily for a full year.

## **Ceramics**

**317**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

Ceramics I is an introductory course focusing on fundamental skills for working with clay. Students learn handbuilding techniques such as pinch, coil, slab, and drape mold construction. Students learn various glazing techniques and texture applications to apply to their fired ceramic work. This class meets daily for a semester.

## **Ceramics II**

**365**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Ceramics I

Quality Points: A = 4

Ceramics II is an intermediate course focusing on fundamental skills for working with the pottery wheel. Students learn how to throw vessels on the pottery wheel and refine handbuilding skills. Students learn advanced glazing techniques and texture applications to apply to their fired ceramic work. This class meets daily for a semester.

## **Digital Photography I**

**316**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points A = 4

This course will introduce students to the foundations of photography. Students will learn how to capture aesthetically pleasing photographs using their own smartphones. Students will explore the history of photography while learning the elements and principles of design critical to composing good photographs. Photo editing techniques using Adobe Photoshop and photo apps will be introduced throughout the semester. \* Adobe Photoshop and smartphones are required for this course.

## **Photography II**

**328**

Grade: 10th, 11th, 12th

Elective

Prerequisite: Photography I, approval of the instructor and a film or digital SLR camera.

Quality Points: A = 4

This course builds on the basics from Photography 1. The course will explore the creative possibilities of both traditional and modern photographic processes. Students will learn how to work with film-based cameras as well as smartphone cameras to capture incredible photographs. Adobe Photoshop and photo editing apps will be introduced as the digital darkroom. This class meets daily for a semester. \* Adobe Photoshop and smartphones are required for this course. Polaroid and Helga cameras will be provided. Photo 1 is a prerequisite for this course. Students who have taken Digital Media may be eligible to take this course.

### **Photography III**

**349**

Grade: 11th, 12th  
Elective  
Prerequisites: Photography I and II, selection by instructor and photography portfolio.  
Quality Points: A = 4

This semester-long advanced course will introduce students to the art of DSLR & SLR photography. Students will learn how to operate their cameras in priority and manual modes to freeze motion, blur motion, and adjust the depth of field of their images. Advanced methods in editing and blending imagery will be introduced using Adobe Photoshop and Lightroom. Self-guided projects will allow students to build a portfolio of photographic work ready for exhibition or publication. \*Adobe Photoshop and Digital SLR/Film-based SLR cameras are required for this course. Students who elect to work with film cameras will be responsible for purchasing film and film development/printing expenses. Photo 2 is a prerequisite for this course.

### **Introduction to Graphic Design and Digital Media 356**

Grade: 10th, 11th  
Elective  
Prerequisites: None  
Quality Points: A = 4

In this course, students will explore the creative possibilities of digital photography, graphic design and digital media. Students will gain a basic understanding of photography techniques and learn to create aesthetically pleasing photographs. Using a variety of apps and software, students will learn how to design and edit digital imagery. Students will enjoy learning how to bring their images and designs to life in the format of animations and lifestyle products. \* Adobe Photoshop and smartphones are required for this course.



## **Freshman Men's Chorus**

**301**

Grade: 9th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This course offers incoming freshmen men an opportunity to develop their singing voices through choral singing, correct breathing, sight singing, and vocal production techniques. The students will explore music from a variety of styles and genres. They will also experience vocal audition techniques, music reading, intervals, and learn good listening techniques. This class meets daily for a semester and performs at two required curricular concerts.

## **Freshman Women's Chorus**

**302**

Grade: 9th  
Elective  
Prerequisites: None  
Quality Points: A = 4

This course offers incoming freshmen women an opportunity to develop their singing voices through choral singing, correct breathing, sight singing, and vocal production techniques. The students will explore music from a variety of styles and genres. They will also experience vocal audition techniques, music reading, intervals, and learn good listening techniques. This class meets daily for a semester and performs at two required curricular concerts.

## **Choral Ensemble**

**332**

Grade: 10th, 11th, 12th  
Elective  
Prerequisites: Freshman Chorus or audition.  
Quality Points: A = 4

The Choral Ensemble is an intermediate level choir of students who are continuing to develop their singing voices through choral singing, correct breathing, sight singing, and vocal production techniques. The students will explore music from a variety of styles and genres. They will also experience vocal audition techniques, music reading, intervals, and learn good listening techniques. This class meets daily for a full year and performs at four required curricular concerts.

## **Women's Chamber Ensemble**

**304**

Grade: 10th

Elective

Prerequisites: Freshman Women's Chorus or audition.

Quality Points: A = 4

This course is an auditioned proficient level choir for women with previous singing experience. This class meets during Honors Women's Chamber Ensemble. Attention is focused on the development of vocal performance, embouchure, diction, balance, rhythm, and intonation. Musical, aural, choral and critical thinking skills are continually integrated into the rehearsal process throughout the year. A wide range of periods, styles and culture of music will both be researched and studied. There are numerous school and community concerts each year which furthers the leadership and performance opportunities for students. This class meets daily for a full year.

## **Honors Women's Chamber Ensemble**

**392**

Grade: 11th, 12th

Elective

Prerequisites: Women's Chamber Ensemble or Choral Ensemble.

Quality Points: A = 5

This course is an auditioned proficient and advanced level choir for women with previous singing experience. Attention is focused on the development of vocal performance, embouchure, diction, balance, rhythm, and intonation. Musical, aural, choral and critical thinking skills are continually integrated into the rehearsal process throughout the year. A wide range of periods, styles and culture of music will both be researched and studied. There are numerous school and community concerts each year which furthers the leadership and performance opportunities for students. This class meets daily for a full year.

## **Men's Chamber Ensemble**

**303**

Grade: 10th

Elective

Prerequisites: Freshman Men's Chorus or audition.

Quality Points: A = 4

This course is an auditioned proficient level choir for men with previous singing experience. This class meets during Honors Men's Chamber Ensemble. Attention is focused on the development of vocal performance, embouchure, diction, balance, rhythm, and intonation. Musical, aural, choral and critical thinking skills are continually integrated into the rehearsal process throughout the year. A wide range of periods, styles and culture of music will both be researched and studied. There are numerous school and community concerts each year which furthers the leadership and performance opportunities for students. This class meets daily for a full year.

## **Honors Men's Chamber Ensemble**

**357**

Grade: 11th, 12th

Elective

Prerequisites: Men's Chamber Ensemble or Choral Ensemble.

Quality Points: A = 5

This course is an auditioned proficient and advanced level choir for men with previous singing experience. Attention is focused on the development of vocal performance, embouchure, diction, balance, rhythm, and intonation. Musical, aural, choral and critical thinking skills are continually integrated into the rehearsal process throughout the year. A wide range of periods, styles and culture of music will both be researched and studied. There are numerous school and community concerts each year which furthers the leadership and performance opportunities for students. This class meets daily for a full year.

## Honors Concert Choir

361

Grade: 11th, 12th

Elective

Prerequisites: Choral Ensemble, Men's Chamber Ensemble, or Women's Chamber Ensemble.

Quality Points: A = 5

This course is an auditioned, advanced level mixed choir for men and women with significant previous singing experience. Attention is focused on the development and mastery of vocal performance, embouchure, diction, balance, rhythm, and intonation. Musical, aural, choral and critical thinking skills are continually integrated into the rehearsal process throughout the year. A wide range of periods, styles and culture of music will both be researched and studied. There are numerous school and community concerts each year which furthers the leadership and performance opportunities for students. This class meets daily for a full year.

## Costume Design and Production

366

Grade: 10th

Elective

Prerequisites: Teacher Approval

Quality Points: A = 4

Join this award-winning class that will lay the groundwork for hands on experience in the world of clothing design and application. Interested in fashion? Want to learn to make clothes that can be worn? No sewing experience is required. This class will support the needs of school performances but will also leave room for students to design and make clothes that they might actually wear. We will focus on particular styles and choices that can reaffirm a theatrical vision and tell a designer's particular story. Students will learn to use sewing machines, design clothes, and work with other technicians to achieve the final look. This course meets daily for a semester.

Students will:

- Learn how to sew effectively and efficiently.
- Design costumes that enhance a vision of the design team.
- Work with other designers, directors, and actors to achieve a final product on budget and on time.

## Honors Costume Design and Production

367

Grade: 11th, 12th

Elective

Prerequisites: Teacher Approval and demonstration of skill set.

Quality Points: A = 5

The clothes look great, but why do they look great? Learn about color theory and aesthetics to perfect your skills that can launch your career in the industry. Take what you've learned to the next level by assembling your portfolio, showcasing what you do in class for a broader audience. This class will support the needs of school performances but will also leave room for students to design and make clothes that they might actually wear. We will focus on particular styles and choices that can reaffirm a theatrical vision and tell a designer's particular story. This course meets daily for a semester.

Students will:

- Design, develop, and create costume pieces for all shows.
- Work with directors, designers, and actors to fulfill the vision being sought.
- Create a portfolio and presentation of work.

## Theatre: Design and Tech

368

Grade: 10th

Elective

Prerequisites: Teacher Approval

Quality Points: A = 4

Interested in the craft of technical theatre? This program allows students the chance to design, build, rig, and engineer all the technical elements of our theatre performances. From sound design to lighting, from pencil-to-page design to actually measuring, cutting, and assembling our award-winning sets, students will quickly learn about design and construction through hands on training. This class meets daily for a semester.

Students will:

- Study basic principles of backstage work
- Techniques of achieving effects within a budget
- Study play analysis for cues that lead to staging
- Explore the use of lighting, sound, and scenery to assist the director's vision
- Learn the principles of design
- Learn how to appropriately and efficiently work as a tech crew

Grade: 11th, 12th

Elective

Prerequisites: Teacher Approval and demonstration of skill set.

Quality Points: A = 5

Perfect the craft, create and apply the vision. This advanced element of the course not only allows students to create the sets but gives them the tools to work in a professional setting, where all the concepts of design and aesthetics come to fruition. Students now have the ability to create art through advanced woodworking. Students in this course are in charge of all lighting and sound requirements for our school and facilities. They take additional time to set up and break down for school Masses and events. These students also take leadership positions in all theatrical productions as well. This class meets daily for a semester.

Students will:

- Exemplify the principles of backstage work
- Achieving effects within a budget
- Put craftsmanship as their top priority.
- Apply the use of lighting, sound, and scenery to assist the director's vision
- Know what works, and what doesn't.
- Efficiently lead a tech crew

## On The Stage: Acting, Directing, Movie Making

308

Grades: 9th  
Elective:  
Prerequisite: None  
Quality Points: A = 4

Begin your journey to stardom as a student of the craft of acting, directing, and movie making. Students will learn what it takes to command an audience through performance. Why move here? Why was that line said just like that? Why am I now crying, laughing, confused? It's because someone applied the techniques you'll learn in this course. Students will study iconic moments in film history to see what they did, why they did it, and why anyone who has ever seen it remembers it. Students will also create their own digital shorts that can be submitted for contest all across the country. This class meets daily for a semester.

Students will learn:

- What it takes to be in front of an audience, whether on stage or on camera.
- How to work with actors to tell a story.
- How to effectively work on film projects.
  - o Filming
  - o Lighting
  - o Sound
  - o Editing
  - o Marketing

## **Behind the Scenes: Set Design, Construction, Lighting, Sound and Costuming**

**309**

Grades: 9th  
Elective:  
Prerequisite: None  
Quality Points: A = 4

Come see how we make it look easy. The world of stage craft is vast and can lend itself to numerous other careers paths. Students will learn about the ins and outs of the stage, what it takes to engineer working structures, and how the elements of design are actually put to use. Students will be responsible for learning about all the audio/visual needs of a production and will apply that knowledge in a hands-on approach. This class meets daily for a semester.

Students will be able to:

- Design sets from the script to the stage
- Choose what costumes should be worn that enhances the story.
- Assist in the build of school productions and events.
- Tell a story with their design.
  - o Lighting
  - o Sound
  - o Structure
- Assist in the productions through backstage setup.

## **Acting**

**330**

Grades: 10th, 11th, 12th  
Elective:  
Prerequisite: Teacher Approval  
Quality Points: A = 4

This course is offered to students who desire to seriously pursue all acting techniques for the stage as well as screen. This course will include at least one production each semester. Students will participate in Theater competitions and be able to explore acting for the camera and stage, as well as directing, playwriting, cinematography and video editing. The student will learn and perform acting techniques, styles, and the processes of producing full length and one act plays. This class meets daily for a full year.

Students will:

- Work on multiple plays within the school year.
- Participate in annual Theatre competitions.
- Be responsible for memorizing and applying acting techniques to present authentic characters.
- Learn to work within an ensemble acting troupe.



## Honors Acting

348

Grades: 11th, 12th  
Elective:  
Prerequisite: Teacher Approval and demonstration of skill set.  
Quality Points: A = 5

Honors Acting requires students to put time, energy and commitment into fulfilling superior theater student requirements. Students will compete in Theater competitions and will need to excel above and beyond the work that goes into a production. Students must read, memorize, analyze, present, and accept criticism. They will work together to create moments on stage that further excels their abilities, and the theater program as a whole. In addition to multiple performances throughout the year, students will also be working on film projects for presentation. This class meets daily for a full year.

Students will:

- Work on multiple plays within the school year, many at the same time.
- Participate in annual Theatre competitions.
- Be responsible for memorizing and applying acting techniques to present authentic characters.
- Demonstrate leadership within an ensemble acting troupe.

## Honors TV, Film, and Production

376

Grade: 11th, 12th  
Elective  
Prerequisites: Teacher Approval and demonstration of skill set.  
Quality Points: A = 5

This course furthers the knowledge of the principles, procedures, and techniques of television/web series production. Special attention is paid to include video control, special effects, operation of cameras, editing equipment, composition, lighting, staging, directing, and on-camera announcing and interviewing. School announcements and event coverage will also be assembled during class period for the following day. This class meets daily for a semester.

Students will:

- Establish theatrical story telling through media.
- Be responsible for appropriate on-camera coverage of events.
- Provide assistance to events and projects in need of basic video editing.

## **Dance I**

**314**

Grade: 9th  
Elective  
Prerequisites: None  
Quality Points: A = 4

Dance I is an introductory course for incoming freshman with little or no formal dance instruction, but offered to those interested in learning and possibly furthering their dance knowledge and technique. All areas of dance are studied including basic choreography skills and the study of dance history. This class enables the student to be prepared for performance level dance sophomore-senior year, if applicable. This class meets daily for a semester.

## **Dance II**

**323**

Grade: 10th, 11th and 12th  
Elective  
Prerequisites: Selection by audition or completed Dance I.  
Quality Points: A = 4

Dance II is an intermediate to advanced level dance class in which students with previous dance experience either outside of school or through Dance I freshman year can continue to improve their dance techniques and performance skills. The students explore various dance styles and focus on the memorization of planned choreography for 1-2 required staged performances per semester in collaboration with the concert choir. The class meets daily for a semester.

## **Honors Music Theory**

**377**

Grade: 11th, 12th  
Elective  
Prerequisites: Strong musical background  
Quality Points: A = 5

This class is designed to build upon already acquired musical knowledge. Students will learn to analyze and create music with the understanding of common practices in Western music including scales, intervals, counterpoint, figured bass and chord analysis. This class meets daily for a semester.

## **Symphonic Band**

**370**

Grade: 9th, 10th, 11th, 12th

Elective

Prerequisites: Middle school band experience, private lessons or audition.

Quality Points: A = 4

Students with playing experience are eligible for this class through an audition. Students accepted into this ensemble are expected to be proficient on their instrument, have a basic knowledge of music theory, and be fluent in reading music. Various styles of band literature and method books are used to develop individual and group performance skills. Emphasis is placed on tone quality, intonation, and advanced/extended techniques. Students will be expected to attend after school rehearsals and performances. Members of the ensemble are expected to be in the marching band in the fall. Students who play wind instruments should sign up for this course. This class meets daily for a full year.

## **Honors Symphonic Band**

**371**

Grade: 11th, 12th

Elective

Prerequisites: One year of symphonic band or audition.

Quality Points: A = 5

This class is for members of the symphonic band who wish to receive honors credit for their participation in band. In order to receive this credit, students must complete additional requirements that can be obtained from the band director. (Meets during Symphonic Band) This class meets daily for a full year.

## **Percussion**

**372**

Grade: 9th, 10th, 11th, 12th

Elective

Prerequisites: Middle school percussion experience, private lessons or audition.

Quality Points: A=4

This class is for members of the symphonic band who play percussion instruments. The class will cover the fundamentals of playing percussion instruments and application of musicianship skills to the genre. Members will perform as members of the Symphonic Band in all concerts. In addition, members will perform percussion ensemble literature throughout the year. Students will be expected to attend after school rehearsals and performances. Members of the ensemble are expected to be in the marching band in the fall. Students who play percussion instruments should sign up for this course. This class meets daily for a full year.

## **Honors Percussion**

**373**

Grade: 11th, 12th

Elective

Prerequisites: One year of percussion class or audition.

Quality Points: A = 5

This class is for members of the percussion who wish to receive honors credit for their participation in band. In order to receive this credit, students must complete additional requirements that can be obtained from the band director. (Meets during Percussion Class) This class meets daily for a full year.

## **Music Production**

**375**

Grade: 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This class is to gain a deeper understanding of the complex process of recording music, mixing sounds, album reviews and processing effects in today's popular music. Students will understand melody, harmony, rhythm, texture, and form as it pertains to the process of creating popular music. After gaining an understanding of the process, students will then use online Digital Audio Workstations to create simple songs and audio mixing examples via online software. This class meets daily for a semester.

## **Introduction to Guitar**

**325**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Must have a nylon-string acoustic guitar.

Quality Points: A = 4

This course is designed as a performance based class to give an understanding of the fundamentals of acoustic guitar playing. This includes learning to read and write musical notation, count rhythms, chord shapes, left and right hand technique and tablature. Students will be asked to perform in groups as well as solo. The student will also be asked to create their own music and perform arrangements of popular tunes. The class meets daily for a semester.

## **Guitar II**

**327**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Guitar I or audition (Acoustic guitar, preferably nylon string).

Quality Points: A = 4

This course is designed for the intermediate-advanced guitar student. The course will be a continuation of the material covered in Guitar I with more emphasis on improving the fundamentals with sight reading, scales, chord spellings, modes and finger picking. Students will be asked to perform in groups as well as solo. This class meets daily for a semester.

# WORLD LANGUAGES DEPARTMENT

## **French I**

**411**

Grade: 9th, 10th, 11th, 12th  
Elective  
Prerequisites: None  
Quality Points: A = 4

On the linguistic level, this course involves the progressive and elementary acquisition of the four fundamental skills of learning the language: reading, writing, listening and speaking. This goal is met through an intensive study of French grammar: verbs (regular and irregular, present and past tense), syntax, and vocabulary. Oral and written exercises, simple question and answer activities, and readings are used to facilitate the acquisition of the four skills listed above. The teacher guides students to 80% use of the target language.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **French II**

**421**

Grade: 9th, 10th, 11th, 12th  
Elective  
Prerequisites: French I  
Quality Points: A = 4

This course expands on the foundation laid in French I, continuing to emphasize the comprehension in the four language skill areas: reading, writing, listening and speaking. The linguistic level instruction and communication will be more complex and more difficult. The emphasis throughout the course is on communication in the target language, advance verb study, grammar, idioms and vocabulary for everyday situations. By the end of the year, the student is expected to apply the four skills of a world language with relatively complex and accurate form.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

### **French III**

**432**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a B- in French II in both semesters & Teacher Recommendation.

Quality Points: A = 4

This course is designed for the student who does not plan further study of French in high school. The student is expected to continue to develop a greater understanding and comprehension of the French language, by continuing the development of reading, writing, listening and speaking, with a strong emphasis on grammatical concepts and oral communication. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that they have been taught.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

### **Honors French III**

**431**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of an A- in French II in both semester and exams & Teacher Recommendation.

Quality Points: A = 5

This course is designed to prepare the student for Honors French IV or AP French, developing in the student a greater comprehension and understanding of more complex reading, writing, listening and speaking. Students work at a rapid pace, are accountable for and expected to speak in the target language utilizing vocabulary and grammar. Vocabulary and advanced grammar and idioms practice is incorporated in speaking and writing assignments.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## Honors French IV

441

Grade: 11th, 12th  
Elective  
Prerequisites: Minimum of a B- in Honors French III in both semesters and exams & Teacher Recommendation.  
Quality Points: A = 5

On the linguistic level, the acquisition and the honing of the four language skills are still constant goals within a culturally rich setting. The student will actively participate in understanding authentic documents, discuss the content of chapter readings, write their opinions and reactions all while communicating and collaborating with their classmates. Lexical and structural growth are also occurring simultaneously at a fast pace. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that they have been taught. This course serves as a springboard to college level and AP courses.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## Advanced Placement French V

445

Grade: 12th  
Elective  
Prerequisites: An A in Honors French III or B in Honors French IV in both semesters, and exams, and/or teacher recommendation and a strong work ethic.  
Quality Points: A = 5

This course is equivalent to a college course. AP French is designed to advance the student's communicative ability in French within a culturally rich setting. Its main objectives are to further develop the ability to understand spoken French in a variety of contexts; to develop a vocabulary base for reading newspapers, literary text and other media without depending upon a dictionary; to improve the ability to express oneself in written and spoken French with reasonable fluency and accuracy. This class is taught by content where linguistic skills can be practiced and reviewed. Students enrolled in this course are required to take the AP French test in May.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the French-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.



## German II

422

Grade: 9th,10th, 11th, 12th

Elective

Prerequisites: German 1

Quality Points: A = 4

This course expands on the foundation laid in German I, continuing to emphasize the comprehension in the four language skill areas: reading, writing, listening and speaking. The linguistic level instruction and communication will be more complex and more difficult. The emphasis throughout the course is on communication in the target language, advance verb study, grammar, idioms and vocabulary for everyday situations. By the end of the year, the student is expected to apply the four skills of the German language with relatively complex and accurate form.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the German-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Honors German III**

**436**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a B- in German II in both semesters and exams & Teacher Recommendation.

Quality Points: A = 5

This course is designed to prepare the student for Honors German IV or AP German, developing in the student a greater comprehension and understanding of more complex reading, writing, listening and speaking. Students work at a rapid pace, are accountable for and expected to speak in the target language utilizing vocabulary and grammar. Vocabulary and advanced grammar and idioms practice is incorporated in speaking and writing assignments.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the German-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Honors German IV**

**447**

Grade: 11th, 12th

Elective

Prerequisites: Minimum of a B- in Honors German III in both semesters and exams & Teacher Recommendation.

Quality Points: A = 5

On the linguistic level, the acquisition and the honing of the four language skills are still constant goals within a culturally rich setting. The student will actively participate in understanding authentic documents, discuss the content of chapter readings, write their opinions and reactions all while communicating and collaborating with their classmates. Lexical and structural growth are also occurring simultaneously at a fast pace. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that they have been taught. This course serves as a springboard to college level and AP courses.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the German-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## Advanced Placement German V

451

Grade: 12th

Elective

Prerequisites: An A in Honors German III or B in Honors German IV in both semesters and on exams. A teacher recommendation is also required.

Quality Points: A = 5

This course is equivalent to a college course. AP German is designed to advance the student's proficiency in all four language skills: listening, speaking, reading and writing. Materials used come from the Internet, magazines and newspapers, poetry, screenplays, biographies, etc. Current events as well as political, economic and social systems are discussed. The AP German Language and Culture course is structured around six themes: Global Challenges, Science and Technology, Beauty and Aesthetics, Families and Communities, Contemporary Life, Personal and Public identities. Students enrolled in this course are required to take the AP German exam in May.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the German-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## Latin I

413

Grade: 9th, 10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

This course emphasizes the elements of Latin grammar, level-appropriate readings of culture, geography, and mythology, and basic Latin vocabulary. Emphasis is also placed on the Latin roots of English, with comparisons of culture and language. By beginning to speak in the target language, the students will learn to express the vocabulary and the grammar concepts that they have been taught. This course is also helpful in increasing the student's knowledge of English vocabulary, grammar, and syntax, and in the acquisition of any Romance languages.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of ancient Rome and her empire; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Latin II**

**423**

Grade: 9th,10th, 11th, 12th

Elective

Prerequisites: Latin I

Quality Points: A = 4

This course will begin with a review of Latin I grammar and syntax. New grammatical and syntactical forms such as the subjunctive mood and its uses will be introduced. By speaking in the target language, the students will learn to express the vocabulary and the grammar concepts that they have been taught. Readings will include those of well known authors from the ancient world, the Middle Ages, and the Renaissance.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of ancient Rome, the Middle Ages and the Renaissance; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Honors Latin III**

**433**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a B- in Latin II in both semesters and exams & Teacher Recommendation.

Quality Points: A = 5

In this course students review vocabulary and grammar. Student will learn the advanced grammar necessary to read authentic Latin prose and poetry. Emphasis will be placed on reading and interpreting Latin literature. By speaking in the target language, the students will learn to express the vocabulary and the grammar concepts that they have been taught.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of ancient Rome, the Middle Ages, and the Renaissance; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Honors Latin IV**

**442**

Grade: 11th, 12th

Elective

Prerequisites: Minimum of a B- in Honors Latin III in both semesters and exams & Teacher Recommendation.

Quality Points: A = 5

Students read selections of Vergil's Aeneid and explore the historical and mythological foundations of the epic. By speaking in the target language, the students will learn to express the vocabulary and the grammar concepts that they have been taught.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of ancient Rome; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Advanced Placement Latin**

**448**

Grade: 11th, 12th

Elective

Prerequisites: Minimum of an A- in both semesters of Honors Latin III or Honors Latin IV, placement exam & Teacher Recommendation.

Quality Points: A = 5

Students taking this course study the prescribed AP Latin Vergil and Caesar curriculum. The main objectives are to further widen the student's range of vocabulary, grammar, and syntax and to implement this range in order to appreciate the richness of the Latin epic and the writings of Julius Caesar. By speaking and discussing the readings in the target language, the students will learn to express the vocabulary and the grammar concepts that they have been taught. Students taking this course are required to take the AP Vergil/Caesar exam at the end of the school year.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of ancient Rome; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Spanish I**

**461**

Grade: 9th,10th, 11th, 12th

Elective

Prerequisites: None

Quality Points: A = 4

On the linguistic level, this course involves the progressive and elementary acquisition of the four fundamental skills of learning the language: reading, writing, listening and speaking. This goal is met through an intensive study of Spanish grammar: verbs and syntax, and vocabulary. Oral and written exercises, simple questions and answer activities, and reading are used to facilitate comprehension and the acquisition of the four skills listed above. The teacher guides students to 80% use of the target language. Spanish I is not open to native or near-native speakers.

On the cultural level, the student will learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Spanish II**

**463**

Grade: 9th, 10th, 11th, 12th

Elective:

Prerequisites: Spanish I

Quality Points: A = 4

This course expands on the foundation laid in Spanish I, continuing to emphasize the comprehension in the four language skill areas: reading, writing, listening and speaking. The linguistic level instruction and communication will be more complex and more difficult. The emphasis throughout the course is on communication in the target language, advance verb study, grammar, idioms and vocabulary for everyday situations. By the end of the year, the student is expected to apply the four skills of a world language with relatively complex and accurate form.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Spanish III**

**464**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a B in Spanish II in both semesters & Teacher Recommendation.

Quality Points: A = 4

This course is designed to develop in the students a greater understanding and comprehension of the Spanish language, by continuing the development of reading, writing, listening and speaking, with a strong emphasis on grammatical concepts and oral communication. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that they have been taught.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## **Honors Spanish III**

**434**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of an A- in Spanish II in both semesters & Teacher Recommendation.

Quality Points: A=5

This course is designed to prepare the student for Honors Spanish IV or AP Spanish Language and Culture, developing in the student a greater comprehension and understanding of more complex reading, writing, listening and speaking. Students work at a rapid pace, are accountable for and expected to speak in the target language utilizing vocabulary and grammar. Vocabulary and advanced grammar and idioms practice is incorporated in speaking and writing assignments.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

## Honors Spanish IV

443

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a B- in both semesters in Honors Spanish III or an A- in both semesters in Spanish III and approval of the instructor.

Quality Points: A = 5

On the linguistic level, the acquisition and the honing of the four language skills are still constant goals within a culturally rich setting. The student will actively participate in understanding authentic documents, discuss the content of chapter readings, write their opinions and reactions all while communicating and collaborating with their classmates. Lexical and structural growth are also occurring simultaneously at a fast pace. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that they have been taught. This course serves as a springboard to college level and AP courses.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.



## **Advanced Placement Spanish V: Language and Culture**

**444**

Grade: 11th, 12th

Elective

Prerequisites: Minimum of an A- in Spanish III (rising seniors only) or a B+ in Honors Spanish III or Honors Spanish IV in both semesters. In addition to the grade requirements, a student must have Departmental approval to be selected.

Quality Points: A = 5

AP Spanish Language and Culture is designed for the student who has the ability to pursue a college level study in Spanish. Consideration will be given to exceptional students on a case by case analysis. Students will develop proficiencies across the full range of communication modes (interpersonal, presentational and Interpretive) It is a demanding and challenging course in which all students are required to take the AP exam at the end of the school year. This course is equivalent to a third year college course; therefore, the students are required to dedicate a considerable amount of time on a daily basis. It will follow guidelines provided by the College Board. It is also recommended that they take the Spanish SAT II exam.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

**Advanced Placement Spanish VI:  
Literature and Culture**

**446**

Grade: 12th

Elective

Prerequisites: Minimum of an A- in AP Spanish V Language and Culture. In addition to the grade requirements, a student must take the AP Spanish assessment (if needed) and have Departmental approval to be selected.

Quality Points: A = 5

This course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry and essays) from Peninsular Spanish, Latin America, and the United States Hispanic Literature. Students will develop proficiencies across the full range of communication modes (interpersonal, presentational and Interpretive), thereby honing critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and culture present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g. art, film, articles, literary criticism) All students are required to take the AP exam at the end of the school year. It will follow guidelines provided by the College Board.

On the cultural level, the student will continue to learn about geographical, historical, artistic, and everyday life and societal concepts of the Spanish-speaking world; a Catholic component is also included. Aspects from the culture will be studied with reference to Catholic Social Teachings.

**Ancient and Biblical Greek I**

**532**

Grade: 11th, 12th

Elective

Prerequisites: None.

Quality Points: A = 4

In Ancient and Biblical Greek I, students will learn to read and write the language of the ancient Greeks. Emphasis will be placed on student vocabulary, syntax, morphology, and diction. Throughout the course, New Testament verses will be read in original Greek, as well as stories adapted from Homer, Herodotus, and Aristophanes. In addition to the language, the course will introduce a wide array of cultural topics concentrating on the lasting contributions of Ancient Greece to our modern world. Students will be required to purchase needed textbook and workbook.

## Honors Ancient and Biblical Greek I

533

Grade: 11th, 12th

Elective

Prerequisites: None.

Quality Points: A = 5

In Ancient and Biblical Greek I, students will learn to read and write the language of the ancient Greeks. Emphasis will be placed on student vocabulary, syntax, morphology, and diction. Throughout the course, New Testament verses will be read in original Greek, as well as stories adapted from Homer, Herodotus, and Aristophanes. In addition to the language, the course will introduce a wide array of cultural topics concentrating on the lasting contributions of Ancient Greece to our modern world. Students will be required to purchase needed textbook and workbook. This class meets daily for the full year and does not meet the world language requirements for graduation.



CHARLOTTE CATHOLIC  
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**2021 - 2022  
CURRICULUM GUIDE**