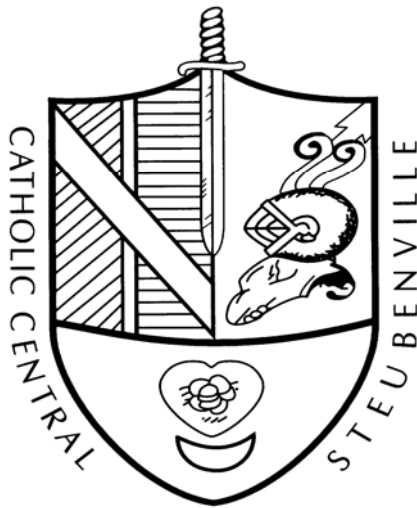


Catholic Central High School
2011-2012
Course Offerings



Mission Statement

Catholic Central High School seeks to educate young men and women by fostering the work of God's grace and nurturing the spiritual, intellectual, physical, cultural and social facets of each student's life. Faithful to the Catholic Church, we strive to form disciples who serve God and others with justice, respect, and charity.

DISCLAIMERS

Non-Discrimination Policy

The Diocese of Steubenville admits students of any race, color and national or ethnic origin. It is the policy of the Diocese of Steubenville Schools not to discriminate on the basis of sex in its educational programs or employment as required by Title IX of the education amendments of 1972.

Course Availability

Catholic Central High School reserves the right to decide, at any time prior to the first day of school, whether a given elective will be offered in a given year. This determination will be based on such factors as student interest, rotation sequence, availability of teaching staff, and funding.

In some cases, electives are offered in alternating years, i.e. one elective offered one year, one the next. In such cases, the elective not offered during the coming year may be printed in italics.

Catholic Central High School reserves the right to modify the prerequisites for any course when clearly extenuating and/or extraordinary circumstances are evident.

STUDENT ACADEMICS

General Information

Students of Catholic Central High School are offered subjects that cover the traditional offerings for college-preparatory, general, selected business and vocational curricula. These courses are geared to accommodate individual differences and ability levels, and to give a truly balanced education in terms of theology, english, science, mathematics, foreign languages and the humanities.

Course Selection

The Administration, Guidance personnel, and faculty members set aside time in the second semester for the sole purpose of student course selection and scheduling. Every effort is made to work in cooperation with parents and students to ensure proper placement of students in classes. Class time is given to discussing the courses available. An updated Course Offering Book is published and given to the students to familiarize them with courses and requirements. Finally, a parent-student registration/conference day is held so that parents and students may confer with teachers regarding course selection.

Student Initiated Schedule Changes

It is the policy of Catholic Central High School that once a student has chosen classes, changes will not ordinarily be made. We believe that requests for changes after course selection are not necessarily beneficial to the student. At the same time, we attempt throughout the scheduling and course selection process, to emphasize the need for serious and responsible consideration on the part of the student.

Ordinarily, schedule changes are not permitted after the initial registration unless the Administration and Guidance determine that the change is necessary. Furthermore, if a student withdraws from school before the conclusion of a course, the grade earned up to the time of withdrawal remains a part of the student's permanent record.

All approved, student-initiated schedule changes require a \$50.00 change of course fee for each course changed. **Changes may only occur during the first two weeks of school for both semesters.**

Determination of Valedictorian and Salutatorian

Catholic Central places a greater point value on plusses and a lesser point value on minuses. For example, in the calculation of grade point averages, a "B" is worth 3.0 points; a "B-" is worth 2.75 points; a "B+" is worth 3.25 points. We believe this better reflects actual student achievement.

Advanced Placement

The Advanced Placement Program is a cooperative educational endeavor between secondary schools and colleges and universities. Since its inception in 1955, the Program has provided motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the Program not only gain college-level skills, but in many cases, they also earn college credit while they are still in high school. AP courses are taught by dedicated and enthusiastic high school teachers who follow course guidelines developed and published by the College Board.

CURRICULUM

College Preparatory Curriculum

The purpose of this program is to prepare students to enter college. The College Prep student may choose electives from any of those offered, but is encouraged to take 4 credits in Mathematics, 4 credits in a laboratory science, and 3 credits in a foreign language.

Honors Curriculum

Catholic Central offers an Honors Curriculum for **Juniors and Seniors**. The intent of this program is to offer accelerated students the opportunity to participate in a full honors program. This will be reflected on both the graduation diploma and transcript.

To graduate with the full honors designation, a student must have the following coursework and a minimum cumulative GPA of 3.5.

Religion	2 credits	Taken in Junior and Senior year
English	2 credits	Honors English III and Honors English IV or AP English
Mathematics	2 credits	Pre-Calculus and AP Calculus
Science	2 credits	Chemistry 1 and/or Physics and/or Anatomy & Physiology
Foreign Language	2 credits	French III and French IV or Spanish III and Spanish IV
Social Studies	1 credit	Honors Government or American Government and Economics

Credit FLEX

In order to broaden the scope of curricular options, a Credit Flexibility Program is available at Catholic Central High School. Please contact the Guidance Department for further information.

Business and Vocational Curricula

These areas are offered to allow the student to individualize and supplement his/her program with subjects of particular interest or meet a specific interest in business and data processing.

A special program in vocational education is offered through the Joint Vocational School where a student may prepare for a career in one of the many technical fields. The student in the JVS program completes his/her first two years of study at CCHS, meeting the following basic requirements:

Religion	2 credits
English...	2 credits
Mathematics...	2 credits
Science	2 credits
Health/Physical Education	1 credit
Social Studies	2 credits

The student also chooses suitable electives to round off his/her program. During the final two years, courses are taken at the Vocational School where, in addition to the technical studies, the student also fulfills the graduation requirements in English, Science, Math (two additional credits), and Social Studies (American History and Government). All students who are enrolled in the Vocational School are required to return to Catholic Central for a minimum of 1 hour and 15 minutes per week, after school, for the religious education courses necessary to meet diocesan graduation requirements.

Post Secondary Enrollment Options

Under current state law, students enrolled in chartered non-public secondary schools in Ohio may participate in the State's "Post Secondary Enrollment Options." In this program, students receive both high school and college credit. Students take selected courses at a participating two or four year post-secondary institution with tuition, books, and fees paid by the state. Students enrolled in this program pay full tuition to Catholic Central High School. Should the funding from the State of Ohio fall short or become unavailable, parents will be obligated to pay a fee per course.

Non-Post Secondary College Courses Available

College Courses Available: Franciscan University of Steubenville offers juniors and seniors the opportunity to take courses at a reduced rate of \$100.00 per course. These courses can be taken during the school year or in the summer months. To be eligible for these college courses, the student must be enrolled in an Honors course at CCHS and maintain a cumulative GPA of 3.5 or above.

Honors Diploma – awarded by the State of Ohio

Comparison of Diplomas with <u>Honors Criteria</u>		
Students need to fulfill all but one criterion for any of the following <u>Diplomas with Honors</u>		
Subject	High School Academic Diploma with Honors Graduating Classes 2012 and Beyond	Career-Technical Diploma with Honors for Graduating Classes 2012 and Beyond
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including physics and chemistry	4 units, including physics and chemistry
Social Studies	4 units	4 units
Foreign Language	3 units, including at least 2 units in each language studied	Not counted toward requirements
Fine Arts	1 unit	Not counted toward requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-supposes completion of all high school diploma requirements in Ohio Revised Code including:

- ½ unit physical education ½ unit health
- ½ unit in American history ½ unit in government

GRADUATION REQUIREMENTS

Students are required to earn credit for the following basic academic subjects as a requirement for graduation from Catholic Central High School:

Class of 2012		Class of 2013 and beyond	
Religion	4 credits	Religion	4 credits
English	4 credits	English	4 credits
Mathematics	3 credits	Math	4 credits
Social Studies	3 credits	Social Studies	3 credits
Health	½ credit	Health	½ credit
Physical Education	½ credit	Physical Education	½ credit
Science	3 credits*	Science	3 credits
*Including: one credit each in biological and physical sciences		Fine Arts	1 credit
		Finance	½ credit
		Electives	4 credits

STATE TESTING REQUIREMENT

The State of Ohio requires students to pass all five parts of the Ohio Graduation Tests (OGT) in order to receive a high school diploma. The OGT's are aligned to Ohio's academic content standards in Writing, Reading, Mathematics, Science, and Social Studies.

REGISTRATION PROCEDURES

Incoming Freshmen and New Students

Students were given a standardized placement test in eighth grade. A preliminary schedule will be prepared for each of these students complete with placement recommendations. The placement of freshmen is based on the results of the placement test, past performance, and 8th grade teacher recommendation. Parents will have the opportunity to speak to teachers about placement and pay the non-refundable registration fee.

Returning Students

Class meetings or an assembly will be held so that students may be reminded of graduation requirements and registration procedures. A Pre-Registration day is set aside for students to complete a preliminary registration form and obtain teachers' signatures where required. Students will return completed forms to their homeroom teachers at the end of the day. The validated scheduling form will be available for parents to review during the evening of registration.

Registration Fees

A non-refundable fee of \$50 is due upon registration.

Parents will need to register their son/daughter for classes at the designated registration time and date. The registration form requires a parent signature.

Course Fees

Course Fees are assessed according to the number of credits a student takes. The fee structure is as follows:

1 credit	\$ 50.00
6 credits	\$150.00
6.25 – 6.5 credits	\$175.00
6.75 -- 7 credits	\$200.00

COURSE OFFERINGS

English

BASIC ENGLISH I

Grade 9

One Credit/Full Year Course

This course offers freshmen an intensive review of the basics of grammar and mechanics needed to develop and improve their writing skills. Thus instruction in and practice of basic skills in grammar, punctuation, and mechanics constitutes a large component of the course, and students are instructed in ways to organize their thoughts to express themselves clearly, a skill which they will need throughout their academic careers and beyond. The course further includes an extensive literature program which, while incorporating the study of a broad variety of literature selections aimed at introducing students to the formats of the short story, the novel, poetry, and the myth, also places a strong emphasis on improving the individual student's comprehension skills. Other literature selections determined by the needs and interests of the students are also utilized. Students will be instructed in the fundamental use of the library materials as well as alternate research tools. Preliminary OGT preparation will also be addressed.

ENGLISH I

Grade 9

One Credit/Full Year Course

English 1 offers the student a review of the basics of grammar as a means of developing his/her writing skills. Regular writing assignments are given as the student learns to organize his/her thoughts and express them clearly and precisely. To improve the comprehension skills and an appreciation of literature, the student is introduced to the study and analysis of a broad variety of literature selections, including the short story, poetry, drama, nonfiction, and myth. During class discussions, the student is encouraged and expected to respond to each of the selections read. The student will also learn the fundamentals of library research and will be guided in the regular use of library materials. Preliminary OGT preparation will also be addressed.

HONORS ENGLISH I

Grade 9

One Credit/Full Year Course

Prerequisite: Performance at the 8th grade level, placement test scores, and teacher recommendation

Honors English I is a fast-paced course that synthesizes the areas of grammar, composition, vocabulary study, and literature into an integrated whole. The student will review the application of the rules of grammar, and punctuation through intensive study, intended not only to develop the student's understanding of the structure of the language but also lead to more developed composition skills, shown in the mastery of various writing assignments and the five-paragraph essay format. The student will also be introduced to the analysis of literary elements in a broad variety of literature selections, including short stories, novels, drama, and epic. Preliminary OGT preparation will also be addressed.

ENGLISH II

Grade 10

One Credit/Full Year Course

The student in English II will master the skills of grammar and composition, and deepen his/her enjoyment and appreciation of literature. Exercises in writing are aimed at developing composition skills, especially in the areas of the three- and five-paragraph essays. The student is taught to support opinion with facts as he/she learns the techniques of persuasion and argument. The novel form is introduced as a part of the literature program, along with further study of the other literary forms met during English I. In the classroom discussions, students are encouraged to be logical, tolerant, honest, and open. OGT preparation will also be strongly emphasized.

HONORS ENGLISH II

Grade 10

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Honors English I and teacher recommendation

Honors English II further develops the skills initiated in Honors English I by continuing an intensive study of grammar, literature, composition, and vocabulary study as an integrated whole. This course seeks to develop critical thinking through the enrichment of the student's experiences with literature of various genres and the in-depth analysis of the literature. The student will be instructed in the application of sound composition skills, focusing on the mastery of the five-paragraph essay format. OGT preparation will also be strongly emphasized.

ENGLISH III

Grade 11

One Credit/Full Year Course

English III offers the student an ordered appreciation of the literature of America. Through class discussion, work in groups, presentations, and writing opportunities, the student is led to read and think critically of the major writers of the past and their works. A strong focus is placed on assisting the student to develop his or her writing style. The study of grammar at this level presupposes the student's mastery of certain basic grammar skills and seeks primarily to support composition by honing and utilizing these skills, as well as the student's basic skills in the mechanics of writing in proper manuscript form. A major focus of the course is the introduction of the student to research skills and the conventions of formal discourse in order to enable the student to produce an objective paper in support of a position. The production by the student of an original and valid research paper remains an essential requirement of the course.

HONORS ENGLISH III

Grade 11

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Honors English II and teacher recommendation

Honors English III aims at developing the critical thinking abilities of the student through the study of literature and writing. A chronological overview of American Literature is pursued with supplementary reading frequently assigned. The study of grammar here presupposes the student's mastery of basic grammar skills and seeks primarily to hone and utilize those skills in support composition, with a strong focus on assisting the student to develop a more mature writing style integrating effective rhetoric. A major focus of the course is the introduction of the student to research skills and the conventions of formal discourse in order to enable the student to produce an objective and scholarly paper in support of a position. The production by the student of an original and valid research paper remains an essential requirement of the course.

ENGLISH IV

Grade 12

One Credit/Full Year Course

English IV is an introduction to British literature from its early beginnings to the twentieth century, highlighting its historical and social changes. The student will read poetry, drama, short stories, and novels of the major British authors. Written assignments include a variety of compositions and include a required original and valid research paper. Emphasis is also placed on correct usage and grammar, spelling, and vocabulary development.

HONORS ENGLISH IV

Grade 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Honors English III and teacher recommendation

Honors English IV is intended for the student who has the skills of critical reading, writing, and analysis. In this introduction to British literature, the student will explore the writings of the Old English Period through the Modern Period. Required reading assignments and class discussions are an essential element of this study. The student will complete regular essay assignments in order to develop further skills needed for clear written expression. Research will focus on areas of literature, and an original and valid research paper is required of all students.

AP ENGLISH

Grade 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Honors English III, overall GPA of 3.50, ACT scores, and a strong teacher recommendation

AP English engages the student in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, the student will deepen his/her understanding of the ways writers use language to provide both meaning and pleasure for their readers. The student will consider a work's structure, style, and themes as well as the more minor literary devices of figurative language, imagery, symbolism, and tone, and an original and valid research paper is required of all students. Upon completion of the course, the student will take the College Board Advanced Placement Test in order to qualify for College credit.

WORLD MYTHOLOGY

Grades 11, 12

One-Half Credit/Semester Course

Prerequisite: Two Credits in English

World Mythology is designed to provide the student with the opportunity to read, analyze, evaluate, and enjoy a collection of myths and epics from around the world. Emphasis will be placed on valuing myths as literature, and thus encouraging an appreciation of unique cultural attitudes and beliefs expressed through mythology. The course seeks to cultivate in the student an increasing awareness of universal human values as the course explores the following question: "How do myths reflect cultures and shape our world?"

CREATIVE WRITING

Grades 11, 12

One-half Credit/Semester Course

Prerequisite: Two Credits in English

Creative Writing is intended to develop the student's creative and critical thinking skills through the completion of a variety of creative writing activities. Throughout the course, the student will compose various types of prose and poetry, intended for varying audiences and reflecting various purposes. Utilizing the multiple characteristics of short stories, each student will write an original short story with characters, conflict, and an organized plot. Proper or appropriate grammar, diction, punctuation, and writing mechanics will be emphasized as an integral part of the creative writing process.

PUBLIC SPEAKING

Grades 11, 12

One-half Credit/Semester Course

Prerequisite: Two Credits in English

This course studies all the fundamentals of speech and the application of these basics to actual public speaking. Exercises in reducing fear of speaking in class or in front of an audience are taught. Students are involved in role-playing and pantomimes, as well as the regularly prepared formal speech. Both the mechanics of speech and individual style are stressed. While speeches are given, students have extensive practice in critiquing one another's work.

YEARBOOK/JOURNALISM

One Credit/Full Year Course

Grades 9, 10, 11, 12

Prerequisite: Course or competency in Word Processing, Multimedia and/or Photoshop

This full-year course focuses on instruction in and implementation of the fundamentals associated with the production and publication of the school's yearbook, The Crusader. The student will be instructed in and receive training in composition, page layout, proof-reading, marketing, advertisement, and distribution of the publication. Emphasis will be placed on instructing and training the student in the use of the web-based program E-Design as well as other appropriate programs used to produce the final product.

Foreign Language

FRENCH I

Grades 9, 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 77% in English, Placement Test, and teacher recommendation

The goal of French I is to acquaint the student with basic French vocabulary and grammar, oral communication and culture through the four basic skills of listening, speaking, reading, and writing.

FRENCH II

Grades 9, 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 77% in French I and teacher recommendation

The goal of French II is to continue what was begun at level I, emphasizing increased facility in speaking, reading, and writing. Knowledge of vocabulary is increased, as well as the mastery of grammatical and cultural aspects.

FRENCH III (Honors)

Grades 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% or above in French II and teacher recommendation

The French III course is offered to students interested in pursuing greater fluency in reading, writing, speaking, and understanding the French language. The study of grammatical structures is continued and expanded, along with various areas of French culture.

FRENCH IV (Honors)

Grade 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in French III and teacher recommendation

This course reviews and continues the study of grammatical structures and aims toward greater proficiency in understanding and using the French language. A survey of French history, art, and literature is offered. Literary works are read and discussed and Phonetics is continued.

SPANISH I

Grades 9, 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 77% in English, Placement Test, and teacher recommendation

The Primary objective of Spanish I is to introduce the student to basic Spanish vocabulary and grammar, oral communication and culture through the four basic skills of listening, speaking, reading and writing.

SPANISH II

Grades 9, 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 77% in Spanish I and teacher recommendation

Spanish II continues the study of the Spanish language emphasizing increased facility in speaking, reading, and writing. It also emphasizes enlargement of vocabulary and the mastery of grammatical and cultural aspects.

SPANISH III (Honors)

Grades 10, 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Spanish II and teacher recommendation

Spanish III is offered to students interested in pursuing greater fluency in reading, writing, speaking, and understanding the Spanish language. This course also continues the study of grammar as well as the culture of the Spanish-speaking countries.

SPANISH IV (Honors)

Grade 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Spanish III and teacher recommendation

The Spanish IV course reviews all grammatical structures and works toward a greater proficiency in using the Spanish language. A foundation in Spanish literature is established through the reading and discussion of famous literary works.

AMERICAN SIGN LANGUAGE I

Grade 9, 10, 11, 12

One Credit/Full Year Course

This is an introductory course in American Sign Language as developed and used by the Deaf community in most areas of North America. It consists of a preparatory phase to attune students to communication in the manual-visual mode, followed by instruction and practice in vocabulary, sentence structure, elementary conversation, and literature. In addition, the course provides a survey of various issues raised by examining ASL and the Deaf community.

AMERICAN SIGN LANGUAGE Ib Spring

Grade 9, 10, 11, 12

One-Half Credit/Semester Course (Spring)

Prerequisite: American Sign Language I in the immediately preceding semester or permission of the instructor

American Sign Language II is a continuation of basic study of the language and culture; an opportunity to build receptive and expressive sign vocabulary; use of signing space; further use of non manual components of ASL grammar including facial expression and body postures, and introduction to conversational regulators. Discussion of regional and ethnic sign variations, and social, political and educational institutions of the Deaf community. Interaction with members of the Deaf community in both directed and non-directed activities will be featured.

AMERICAN SIGN LANGUAGE II

Grade 9, 10, 11, 12

One Credit/Full Year Course

Prerequisite: American Sign Language I and II in the immediately preceding year or permission of the instructor

The study of American Sign Language is a cumulative experience. The second full year course reviews and continues the study of the grammatical structures of ASL stresses sign vocabulary, finger spelling and numbers, expressive and receptive signing activities. History of ASL and Deaf Culture will be continued. Successful completion of this course will prepare students with those skills necessary for the ongoing study of American Sign Language.

INTRODUCTION TO ITALIAN

Grades 11, 12

One Half Credit/Semester Course

Independent Study course taught in the Language Lab with interaction on purchased Software. Coursework also offers an overview of Italian History, Geography, and Culture.

Mathematics

Special Note: All students are required to have a calculator for use in class. All college-prep students are required to have a scientific calculator with trigonometric and logarithmic functions.

PRE-ALGEBRA

Grades 9

One Credit/Full Year Course

Prerequisite: Placement Test, 8th grade teacher recommendation

This course provides the student with a solid preparation for Algebra I and Geometry, and a thorough background for passing the OGT Exam. The first semester emphasizes pre-algebra concepts and some introductory algebra. The second semester introduces basic geometry topics. The students will utilize Study Island, a web based instruction program for further OGT preparation.

ALGEBRA I

Grades 9, 10

One Credit/Full Year Course

Prerequisite: Placement Test and 8th grade teacher recommendation or successful completion of Pre-Algebra

This course covers the essential topics of first year Algebra. Emphasis is placed on understanding basic number theory, solving polynomial equations and inequalities, understanding elementary linear functions and their properties, graphing techniques, and practical applications of number theory.

GEOMETRY

Grade 10, 11

One Credit/Full Year Course

Prerequisite: Successful completion of Algebra I

This course covers the essential topics of Euclidian Plane geometry and three-dimensional geometry. Emphasis is placed on developing deductive reasoning skills, understanding theory, and applying the reasoning and theory in proofs and problem solving with plane figures.

ADVANCED GEOMETRY

Grade 10

One Credit/Full Year Course

Prerequisite: Minimum of 90% in Algebra II or 93% in Algebra I and teacher recommendation

This course provides an extensive study of the concepts of Euclidian Plane geometry and three-dimensional geometry. Emphasis is placed on developing deductive reasoning skills, understanding theory, and applying the reasoning and theory in proof writing and problem solving with plane figure. This course is a preparation for the Advanced Placement Calculus course.

COLLEGE PREP ALGEBRA II

Grade 11, 12

One Credit/Full Year Course

Prerequisite: Successful completion of Geometry

This course extends the fundamental concepts and skills of Algebra 1 insuring students have learned algebraic concepts necessary at the post-secondary level. The subject matter consists of real numbers, Algebraic equations and Inequalities, functions and graphing, multiple variable equations polynomial expressions and functions, rational expressions, roots and complex numbers, quadratic equations and functions, conics, matrices, exponential and logarithmic functions, triangular and circular trigonometry.

Recommended: College bound students who plan to pursue studies in liberal arts, business or social sciences

ADVANCED ALGEBRA II

Grade 9, 10, 11

One Credit/Full Year Course

Prerequisite: Minimum of 90% in Algebra I and teacher recommendation

This course is designed for students who plan to take AP Calculus as a senior. Emphasis is placed on mastery skills as well as understanding and applying theory with real and complex number systems. The course will review equations and inequalities. It will include a study of functions and polynomial equations. Topics in Trigonometry will be covered in preparation for Advanced Geometry and Pre-Calculus.

FOUNDATION FOR COLLEGE MATH

Grade 12

One Credit/Full Year Course

Full year Course

Prerequisite: Successful completion of Algebra II and Geometry and teacher recommendation

This course is designed for senior students who have completed Algebra I, Geometry, and Algebra II, but are not planning to major in math, science, or engineering in college. This course takes a function based approach to mathematical concepts from properties of numbers to trigonometry, and integrates the graphing calculator into every facet of the curriculum.

Recommended: College bound students who plan to pursue studies in liberal arts, business or social sciences

ADVANCED TRIGONOMETRY AND FUNCTIONS

Grades 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 80% in Algebra II and Geometry and teacher recommendation

This course covers the essential topics of both a trigonometry course and a course on functions. Emphasis is placed on developing the skills that allow the student to successfully work with circular and triangular trigonometry and general functions.

Recommended: College bound students who plan to pursue studies in liberal arts, business or social sciences

PRE-CALCULUS (Honors)

Grades 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 90% in Advanced Geometry or 93% in Algebra II and teacher recommendation.

This course provides an intense study of sequences, limits, functions, and derivatives in preparation for AP Calculus in the senior year. It also provides a complete study of the circular and trigonometric functions.

Recommendation is for students planning to major in math or science field of studies

A.P. CALCULUS (Honors)

Grade 12

One Credit/Full Year Course

Prerequisite: Minimum of 90% in Pre-Calculus and teacher recommendation

This course will be taught in conjunction with the Lincoln Interactive online school. Students will have the benefit of working in the classroom as well as the computer lab setting. Assignments and tests will be submitted online. The students will have the benefit of two highly qualified instructors: one in the classroom and school mathematics lab as well as an online instructor.

Advanced Calculus AB is designed for students who possess a strong mathematics background and the willingness to work hard. Part 1 of the course challenges the students with the core concepts of functions, limits, derivatives, integrals and application. Part 2 reviews and prepares for the AP Exam. Upon its completion, students take the College Board Advanced Placement Test in order to qualify for college credit and advanced standing. Because it is an Advanced Placement Course, participation in AP Calculus is by faculty recommendation only.

Recommendation is for students planning to major in math or science field of studies

Religion

CATHOLICISM I

Grade 9

One-half Credit/Semester Course

The first semester freshman year draws students from a variety of public and private schools, formal and informal religious education settings. The course will examine the call to holiness, review the dogma contained in the Creed, and review the kinds of prayer, the Church, the Blessed Virgin Mary, revelation, and the two testaments.

CATHOLICISM II

Grade 9

One-half Credit/Semester Course

Building on the concepts of Catholicism I, the students will review the moral virtues, the practice of chastity, the Commandments, Sacraments and Liturgy of the Church. Again, application of the Christian life will be made to the Catholic adolescent. Serving others in the spirit of the Church's mission will be further studied as it applies to serving others in the school, the Church, and the wider community.

SACRED SCRIPTURE I

Grade 10

One-half Credit/Semester Course

Students will be introduced to the Catholic approach to reading, studying, and understanding the Sacred Scriptures. During this course the students will move through the first half of the 12 Biblical Time Periods (Cavins, The Great Adventure) with a target of finishing the semester at the Divided Kingdom in the Old Testament.

SACRED SCRIPTURE II

Grade 10

One-Half Credit/Semester Course

Picking up where the first semester course ends, the student will move through the biblical time periods of the Divided Kingdom, the Exile, the Return, the Maccabean Revolt, the Messianic Fulfillment, and the Church as it develops in the New Testament.

CHURCH HISTORY

Grade 11

One-half Credit/Semester Course

A survey of Church History from its institution at Pentecost to the present will offer students the opportunity to better understand the historic perspectives of the salvation that God continually offers to mankind after the Redemption. The student will be asked to examine these historic events more through God's eyes than through mankind's eyes, and see the Church as more than just a human institution, even though the Church was founded and develops her life in the context of human history as the Bride of Christ. Included will be a study of the lives of many of the saints as they exemplified the mission of the Church entrusted to it by Jesus Christ.

MORALITY

Grades 11

One-half Credit/Semester Course

Living the moral life in Jesus Christ gives the student a useful method of applying the knowledge of his Catholic faith, in Sacred Scripture and Catholic doctrine, to contemporary issues requiring moral decision-making. Answering the baptismal call to life in the Trinity and discipleship, the student will strive to develop an understanding that his personal, moral decision-making in Christ serves to advance the Kingdom of God in his own person and in the contemporary world.

CATHOLIC SOCIAL JUSTICE

Grade 12

One-half Credit/Semester Course

The course will provide the opportunity to study the mission of all baptized to live justice and peace. Attention will be given to the themes of Catholic social justice as outlined by the USCCB: the life and dignity of the human person; the call to family, community and participation; rights and responsibilities; the option for the poor and vulnerable; the dignity of work and the rights of workers; solidarity; and, care for God's creation.

LIVING THE FAITH

Grade 12

One-half Credit/Semester Course

The course is an in-depth examination of the Catholic life lived in accordance with the Sacred Scripture and Sacred Tradition as applicable in our modern society. It will include a look at how Catholic Christians are to approach life, love, work, money, charity, the Church, the community, and leisure time among other topics with an eye to developing the Catholic Christian person who will be equipped to give witness to Christ as one lives his/her faith. Some time will be given to examining the call to holiness in life as lived in the Church.

Science

FRESHMEN SCIENCE

Grade 9

One Credit/Full Year Course

Freshmen Science is a course designed to give freshmen a first-hand familiarity with basic concepts in science. Topics include scientific method, technology, environmental issues and ethics, chemistry, physics, and earth and space science. Laboratory investigations will be implemented that will lead to an understanding of the interactions of matter and energy on a physical and chemical level. Students will focus on the benchmark standards set for the Ohio Graduation Test.

BIOLOGY

Grade 10

One Credit/Full Year Course

This course emphasizes the fundamental unity in the diversity of life forms. Students will study genetics, microbiology, and ecology. Through laboratory experiences, students investigate and gain an understanding of key concepts essential to Biology.

BIOLOGY: STUDY OF LIVING SYSTEMS

Grade 9, 10

One Credit/Full Year Course

Prerequisite: 85% average or higher in both mathematics and Freshmen Science and teacher recommendation

This course examines the biochemistry of plant and animal life. Students will study genetics, microbiology and ecology. Laboratory experiences will include scientific investigations into each of these areas. Dissections will develop comprehension skills in comparative anatomy.

INTRODUCTION TO CHEMISTRY

Grade 11, 12

One-half credit/Semester Course

This course is designed for the individual interested in acquiring a comprehensive course in general chemistry. Students will focus on developing conceptual and quantitative problem-solving skills by relating chemistry concepts to daily life and consumer chemistry. Basic lab inquiries will familiarize students with proper lab technique and equipment.

ENVIRONMENTAL SCIENCE

Grades 11, 12

One-half credit/Semester Course

This course is designed to introduce science students to environmental issues through real-life case studies. The student will apply the scientific method to current environmental issues and investigate the social context of science. Discussions of solutions and environmental impact will encourage students to apply their ideas to real world environmental problems.

CHEMISTRY

Grades 10, 11, 12

One Credit/Full Year Course

Prerequisite: 85% average or higher in previous science and mathematics courses and teacher recommendation.

Chemistry is the study of interacting substances on a molecular level. The course is academically challenging. The student will study atomic structure, bonding, energy transformations, the stoichiometry of chemical reactions and gas laws, chemical solutions and their concentrations, colligative properties and pH. Success in the course is heavily dependent on successful problem solving. A strong background in mathematics is required.

PHYSICS (HONORS)

Grades 11, 12

One Credit/Full Year Course

Prerequisite: Cumulative average of 85% in three years of mathematics. Juniors must be taking higher-level mathematics. 77% average in Chemistry.

Physics is a course designed to challenge the student to a deeper awareness of the forces and structure in the world and in the universe. Topics proceed from simple observation of ordinary phenomena toward abstract generalizations. Lab experiences seek to extend and give expression to concepts discussed in class. Course is designed to provide introduction to basic concepts of physics and is recommended for students headed toward a collegiate major in any science area. Success in the course is heavily dependent on successful problem solving. A strong background in mathematics is required.

ANATOMY AND PHYSIOLOGY (Honors)

Grade 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 85% in Living Systems, Minimum of 85% in Chemistry, and teacher recommendation

This course is a college level human anatomy course. It covers in detail: cytology, histology, biochemistry, and systemic human anatomy and physiology. One major dissection (the cat), is used to make comparisons with the anatomy and physiology of the human body.

PHYSICAL EDUCATION I

Grade 9

One-fourth Credit/Semester Course

Required for Freshmen

PHYSICAL EDUCATION II

Grade 10, 11, 12

One-fourth Credit/Semester Course

Required for students that do not participate in Athletics, Cheerleading, or Marching Band

PHYSICAL EDUCATION II (SPORT)

Grade 10, 11, 12 Athletes, Cheerleaders, and/or Marching Band Students

One-fourth Credit/Sports Participation

Pass/Fail (Will not count toward GPA)

HEALTH

Grade 9

One-half Credit/Semester Course

Graduation Requirement

Students will study the basic functions of the human body, its care and maintenance, and the prevention of disease, both physical and mental. They will also become aware of the many health problems in today's society such as smoking, drug and alcohol abuse and sexually transmitted diseases.

Social Studies

WORLD HISTORY

Grade 9

One Credit/Full Year Course

World History offers students a chronological account of the major civilizations and their development throughout the history of the world, with a specific emphasis on Western Civilization. Through lecture, class discussion, work in groups, student presentation, writing opportunities, and minor projects, students are led to an understanding of the development of the world in which they live and by studying the history, government, economy, and societies of various civilizations and the geographic factors and political movements which affected them. Students will be asked to think critically, using appropriate social studies skills and terminology. As such, considerable time will be devoted in each unit to the development of an understanding of terminology, standard social studies skills and accepted methodology for the critical study of history.

AMERICAN HISTORY

Grade 10

One Credit/Full Year Course

In every generation, Americans have encountered and solved problems besetting the nation. Today, we must contend with both domestic and foreign problems of great urgency. We must determine our national goals and the appropriate means for moving toward them. Americans can gain perspective and guidance for this task through an understanding of our past and our national heritage. This course prepares students to live in a multi-cultural, pluralistic society. It includes global education related to American foreign policy. It focuses on the topics of the Emergence of Modern America in the Industrial Revolution, the New Horizons of Imperialism, the Progressive Movement, World War I, the Roosevelt Years and World War II, the Cold War, and recent Presidential Administrations. Current events are an integral part of this course, relating past and present movements in history. Political and economic institutions, urbanization, labor, social and cultural fields of history are studied.

GEOGRAPHY

Grade 11

One-half Credit/Semester Course

Each of us shares the world with five billion other people living in various world culture regions on our planet. With the increased mobility of today's societies, advanced levels of communication, and political inter-relationships throughout the world, a need for geographic knowledge is essential to make intelligent decisions and choices concerning our lives. Throughout this course the student will develop a basic understanding of the skills and concepts and tools of geography. Geographical history, regional descriptions and geographic problems of current concern will be analyzed and discussed throughout this course.

AMERICAN GOVERNMENT

Grade 12

One-half Credit/Semester Course

In 1787 the United States Government was organized into the kind of system we have today. That system was explained in a document called the Constitution. The preamble begins with the words "We the people..." It ends with "establish this Constitution for the United States of America." All of its power comes from the people. The people must have at least a basic understanding of the workings of that government and of its elective process. Rights and responsibilities under our city, state and federal systems are taught, Americanism and Government tests are administered to these students.

HONORS GOVERNMENT

Grade 11, 12

One Credit/Full Year Course

Prerequisite: Minimum of 93% in American History and Geography

This government honors course will examine the relationship between governmental structure and economic principles in the United States. The primary focus of the course will be an extensive study of the philosophical foundations and evolution of the Constitution and the American democracy. In addition to the study of American Government, the course will examine how the government regulates and promotes economic growth and stability in a free market economy while making comparisons with other economic systems.

YOUTH AND LAW

Grades 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 85% in American History

Youth and Law is a course that attempts to give the students the basic tools for understanding our legal system. The class covers four major areas: Constitutional Rights and Responsibilities, Crimes and the Criminal Justice Process, differences between Criminal and Civil law, prisons and prison alternatives, case studies, group discussions, guest speakers and a field trip to the county courthouse are some of the class activities.

20TH CENTURY HISTORY

Grades 11, 12

One-half Credit/Semester Course

This course will cover the period in American History from 1945 up to the current time. Students will examine the beginnings of the Cold War, investigate the entrance of the US into the Korean War, and develop an understanding of the post-war years under Eisenhower. The Kennedy and Johnson presidencies will be examined, along with the social revolutions from 1960 through 1975. Students will trace the US involvement in Vietnam, and evaluate Nixon Conservatism and the transitional period of the Carter Administration, the Reagan Revolution, Bush's New Conservatism, and the Clinton and G. W. Bush Administrations will comprise the latter part of this course.

PERSONAL FINANCE

Grades 11

One-Half Credit/Semester Course

Personal Finance is a course designed to help students learn and apply valuable life skills in money management, credit management and retirement planning. Financial success begins with good career planning, goal setting, and an understanding of the income sources and taxes. Students will explore methods of getting more for their money and the basics of good financial planning using the banking system, intertwined with savings and investing.

Fine Arts

ART I

Grades 9,10,11,12

One Credit/Full Year Course

This course is designed to offer students a basic study of the elements and principles of art. Course material is presented as hands-on experiences. Also, the students will be given selected readings that discuss a wide variety of artists and styles. This course is a prerequisite for all upper level art courses. All students who wish to pursue further study in art while at Catholic Central must earn grade of C+ or better on the semester exam. Requires physical activity and cleaning.

DRAWING/PAINTING

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 70% in Art I

Learn the history, technical, aesthetic and conceptual issues involved in two-dimensional artwork. Materials include pencils, colored pencils, charcoal, pen/ink, pastels, markers, scratchboard, acrylic, paper, and canvas board. Requires physical activity and cleaning.

MULTIMEDIA DESIGN

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 70% in Computers – Microsoft Office

In this course, students will be exposed to several different media concepts. They will have the chance to utilize PowerPoint, Movie Maker or other related software packages to develop different multimedia projects. As a class, they will be involved in developing a school newsletter to inform their classmates of all the news and activities taking place at Catholic Central High School.

PHOTOSHOP ELEMENTS

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 70% in Computers – Microsoft Office

This course covers the basic of photo editing. Students will use digital cameras to create various projects. Students will learn to make the simplest looking photos amazing by utilizing the tools featured in Elements. For example, getting rid of Red Eye, merge photos, prepare a slide show and create a panoramic photo project. The students will also learn to color-correct, retouch techniques, crop and fine-tune photographs.

SCULPTURE

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 70% in Art I

Learn the history, technical, aesthetic and conceptual issues involved in three-dimensional artwork. Materials include paper, cardboard, wood, cement, plaster, fasteners, saws, hammers, glue, stone and mosaic. Requires physical activity and cleaning.

Applied Arts

MECHANICAL DRAWING

Grades 10, 11, 12

One-half Credit/Semester Course

In Mechanical Drawing 1 the basics of engineering drawing are covered, including the use of instruments, lettering, and geometric constructions. The principles of orthographic projection used in both mechanical drawing and freehand sketches are the fundamentals of the course. Theory of dimensioning, sectional and auxiliary views, and assembly drawings add to the understanding of multi-view drawing concepts used in shop drawings. This is a must course for students interested in mechanical design, graphics design, or engineering.

C.A.D.D.: Computer Aided Drafting and Design

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: A minimum of 70% in Mechanical Drawing I

Computer-Aided Drafting is introduced. Students learn to use and operate the CADD System to prepare drawings according to the drafting industry standards.

Business

COMPUTER REPAIR AND TROUBLESHOOTING

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Computers – Microsoft Office

For one semester, students will be immersed in the inner workings of a computer. Students will be exposed to each part of a computer, learning detailed function and tasks associated with each device. Students will learn troubleshooting techniques based upon this information. Students will gain 'hands on' experience through replacing parts and disassembly and reassembly of a computer. The class will develop their own troubleshooting manual based upon materials distributed by the instructor.

MICROSOFT OFFICE

Grades 9,10,11,12

One-Half Credit/Semester Course

Highly recommended for all students

This course will develop an understanding of the personal computer software that all students will need to succeed in their high school and college careers. Microsoft Office 2007 is the latest version available to students today. In this course students will utilize: Word, PowerPoint, Publisher, Excel and Access. The students will learn each application through real life project simulations.

CONSUMER BUSINESS

Grades 10, 11, 12

One-Half Credit/Semester Course

Introduction to Business involves many different facets of business. You will be involved in learning to write checks, balancing a checkbook, and the responsibilities of using a credit card. You will get a general understanding of basic business terms and get a chance to read and discuss current topics in the news about businesses and how they are operating. You will also be involved in selling items on eBay, to raise money for a charity of your choice. Then finally, you will put your knowledge to work in creating your own business through a real life simulation.

NETWORKING

Grades 10, 11, 12

One-half Credit/Semester Course

Prerequisite: Minimum of 70% in Computers – Microsoft Office

The networking class will cover the construction and installation of a Local Area Network (LAN) and how to connect computers on a network. Students will learn proper selection, installation, and troubleshooting techniques for network switches, adapters, cabling, modems, and wireless network devices. The students will learn how to work with Internet Protocol (IP), as well as other network protocols, services, and devices. The course will also cover Windows Networking, basic Linux/Unix services, wide area networking, and typical internet services such as FTP, WWW, SMTP, and POP.

Music

BAND I

Grades 9, 10, 11, 12

One-half Credit/Semester Course (Fall)

The students will gain proficiency with their wind or percussion instrument, expand knowledge of music fundamentals and theory, increase skills in ensemble performance, and be offered opportunities for improvisation and composition. This course requires the students to perform at all football games, various parades, and concerts. Practices and camp begin in August.

BAND II

Grades 9, 10, 11, 12

One-half Credit/Semester Course (Spring)

The students will gain proficiency with their wind or percussion instrument, expand knowledge of music fundamentals and theory, increase skills in ensemble performance, and be offered opportunities for improvisation and composition. This course requires students to perform at various venues including a spring concert and at the CCHS graduation. (Graduates are not required to perform at graduation.)

MIXED CHORUS

Grades 9, 10, 11, 12

One-half Credit/Semester Course

This course is designed for students interested in developing their vocal performing abilities. This course will cover the production of good tone, development of proper diction, use of vocalization to control vocal apparatus, maintenance of independent parts in multi-part textures, introductory sight singing, and music theory. Students will explore a variety of musical styles, including: sacred, secular, popular, and traditional. Students enrolled in this course are required to perform in a concert.

Study Skills and Strategies

ACT/SAT PREP ASSISTANCE

School monitored ACT/SAT Prep assistance available online through the March2Success program and CCHS Guidance Program.

Grades 10, 11, 12

One-quarter Credit/Semester Course

Zero Credit if taken independently

March2Success is a tool that provides educational content to help improve the students' knowledge and test scores in the areas of Language Arts, Mathematics, and Science. It includes course material from SAT and ACT practice tests as well as vocabulary and math flashcards from these assessments.

Requirement: Visit the Guidance Office to register and to become active on the site. The guidance staff will monitor the students' work as their listed mentor.

STUDY SKILLS AND STRATEGIES

Grades 9, 10

One-quarter Credit/Semester Course

This course is designed to help students develop skills and strategies for school success. The course will cover managing study times and routines, reading and interpreting visual aids, reading and taking notes from textbooks and class, using reference sources, remembering information, preparing for and taking tests, pronouncing long words, finding main ideas, and building vocabulary through word meaning clues.

This class will meet 3 days per week, off-set by a study hall on the two days the class does not meet.

College Instructed Course Work

CCHS offers courses are taught by visiting faculty from Eastern Gateway Community College and/or Franciscan University of Steubenville here at CCHS. Students enrolled in these courses will receive college credit upon successful completion. These courses are made possible through a state funding program that is evaluated annually by the State of Ohio. If funding becomes unavailable, courses may be cancelled in July.

Courses were being finalized at the time of printing. Please see the insert for College Instructed Course Work.