

2018 | 2019

# Academic Catalog



**CENTRAL CATHOLIC**  
HIGH SCHOOL

One Faith. One Community. One Mission.

**The One.**

2550 Cherry Street | Toledo, Ohio 43608 | 419.255.2280  
[www.CentralCatholic.org](http://www.CentralCatholic.org)

## ONLINE SCHEDULING FOR 2018-2019 SCHOOL YEAR

<b>January 9-12</b>	Guidance counselors meet with students to explain the online process.
<b>January 12</b>	Academic course catalog available online at <a href="http://www.centralcatholic.org">www.centralcatholic.org</a> . Parents should review course offerings and graduation requirements with their students.
<b>January 16-19</b>	Students discuss choices with teachers and parents. Review diploma requirements in the academic course catalog at <a href="http://www.centralcatholic.org">www.centralcatholic.org</a> .
<b>January 16-19</b>	SIGNING DAYS: Teachers review Course Request Cards. Teachers will SIGN or COMMENT regarding their recommendations.
<b>January 19</b>	Parents review requests, recommendations and sign the Course Request Card. Parent and student signatures are REQUIRED prior to processing. Any questions or concerns should be written on the back of the card.
<b>January 22-25</b>	ONLINE SCHEDULING WINDOW: Students and parents go to PowerSchool and click on “Class Registration” tab at the top and select their approved courses online using the Course Request Card as a guide. When completed, Click on SUBMIT.
<b>January 26</b>	Completed Course Request Cards will be collected during 3 <sup>rd</sup> period. <b>Non-refundable registration fee of \$300 will be collected at that time. Course selection will not be finalized until registration fee is paid.</b>
<b>February - March</b>	Counselors meet individually with each student to review course requests.
<b>March - April</b>	Individual Freshman scheduling.
<b>April 15</b>	\$25.00 fee is charged after this date for any schedule change.
<b>June 1</b>	All course requests are FINAL. No course changes may be made after this date.

### SCHEDULE CHANGE POLICY

Class schedules are FINAL at the end of the school year. It is important to understand that course changes are difficult to make after school begins. Schedule changes must be based on sound educational reasoning. There will be a \$25 fee for a schedule change initiated by the student or parent.

- **DROPPED CLASSES** – Teachers or students with a teacher’s permission may initiate, along with counselor approval, a “drop” during the first two weeks of the semester only. All classes dropped after the second week of the semester will receive a “Withdrawn/Failure (W/F)” on the transcript, along with the corresponding reduction in the GPA. Any exceptions will be directed to the Assistant Principal of Campus Ministry and Discipline.
- **LEVEL CHANGES** - Teachers and counselors may, after discussion with students and parents, initiate level changes at the first midterm in a course (approximately the fifth week of the course).
- **SENIOR CLASS DROPS** – seniors may not drop classes during the 2nd semester.

### TO ACCESS POWERSCHOOL

Students and parents must use their Username and Password. They are listed on your student’s grade card, or can be found by calling our Technology Department at: (419) 255-2280. Please obtain this information before the scheduling window of January 22-25. Parents can access PowerSchool by going to [www.centralcatholic.org](http://www.centralcatholic.org) and clicking on “Parent & Student Login” and then on “PowerSchool” under “Technology” on the menu on the left side of the page.

## GENERAL INFORMATION

### DIPLOMA REQUIREMENTS

In order to effectively serve the needs of our students, Central Catholic offers three curriculum options, culminating in one of three diplomas. Direction from colleges and universities, the State of Ohio, and Central Catholic guides the requirements of each diploma. All students are required to meet the State of Ohio and Central Catholic graduation requirements in order to receive a Central Catholic diploma.

**HONORS COLLEGE PREP DIPLOMA** requires the most demanding courses in order to challenge highly motivated honors level students. It is designed to assist the student in securing acceptance into selective universities.

#### Honors College Prep Diploma Requirement:

Theology	4.0
English	4.0
Math (inc. Pre-Calc.)	4.0
Science (inc. Bio., Chem., and Physics or AP Science)	4.0
Social Studies (inc. Am. Govt.)	3.0
World Language** (of same lang.)	3.0
Fine Art	1.0
Health/Phys. Ed	1.0
Elective	2.0
<b>Total required</b>	<b>26.0</b>

\*Honors Diploma: Students must accumulate 10 Honors courses and a G.P.A. of 3.5 or higher.

\*\*Two years of two different languages is accepted if third year is not available to student.

**COLLEGE PREP PLUS DIPLOMA** requires an intensive course of study in order to prepare the student for acceptance in college programs. It is designed for the student who anticipates entering college upon graduation from high school.

#### College Prep Plus Diploma Requirements:

Theology	4.0
English	4.0
Math (inc. Alg. 2)	4.0
Science (inc. Bio. & Chem.)	3.0
Social Studies (inc. Am. Govt.)	3.0
World Language (of same lang.)	2.0
Fine Arts	1.0
Health/Phys. Ed.	1.0
Electives	3.0
<b>Total required</b>	<b>25.0</b>

**COLLEGE PREP DIPLOMA** requires course work in an approved course of study in order to earn a diploma. This diploma meets the state standards.

#### College Prep Diploma Requirements:

Theology	4.0
English	4.0
Math	4.0
Science (inc. Biology)	3.0
Social Studies (inc. Am. Govt.)	3.0
Health/Phys. Ed	1.0
Fine Arts	1.0
Electives	4.0
<b>Total required</b>	<b>24.0</b>

**Physical Education Waiver:** If students participate in two seasons of Central Catholic sports, marching band, cheerleading or certain club sports, they qualify for the Phys. Ed. waiver. **Students pursuing the Phys. Ed. waiver must fulfill the requirement by the end of sophomore year or Phys. Ed. will be on the schedule junior year.**

### FINE ARTS CREDIT

All art, music, and drama courses offered at Central Catholic will fulfill the fine arts credit requirement needed for a Central Catholic diploma. These courses will be accepted by most universities that have a fine arts requirement.

### COURSE LEVELS

In order to meet the academic needs and abilities of our students, Central Catholic offers many courses on different skill levels. We are very careful about studying and determining those needs and abilities. In order to effectively place students in their appropriate skill level, we utilize placement tests, departmental diagnostic tests and teacher recommendations. During the second semester of each school year, the student's progress will be evaluated for movement to another level. The following is a summary of the descriptions and objectives of our skill levels.

### HONORS LEVEL

The objective of honors courses is to provide intensive background in the content area in order to challenge the superior academic student. As a result of the demanding work, students earn an extra point for A, B and C grades. The advanced placement (AP) courses are honors courses based on a college curriculum. Students who successfully complete AP courses and pass the AP Exam in May could receive college credit. An honors point is also awarded for AP courses.

### COLLEGE PREP

The college prep curriculum is designed to provide an extensive background in the subject areas and to successfully prepare the student for post-secondary education.

### SPECIFIC LEARNING DISABILITIES (SLD)

Students with specific learning disabilities are scheduled into classes that meet their individual needs and the specific requirements of their IEPs. Students will be scheduled into a resource room where the SLD instructor will help them in their areas of identification. These students are included in our curriculum and receive small group or individual assistance during their resource period.

### COLLEGE CREDIT PLUS

College Credit Plus offers qualified students high school and college credit simultaneously.

## THEOLOGY

Theology is the mother of all disciplines and is therefore an integral component to the intellectual formation of all Central Catholic students. The Theology Curriculum at Central Catholic High School is an implementation of the Diocese of Toledo Course of Study for High School Theology based on the Doctrinal Elements of a Curriculum Framework developed by the United States Conference of Catholic Bishops. Each year students complete two or three semester Framework course as indicated in the following course descriptions.

**PREREQUISITES FOR ALL HONORS COURSES:** An ‘A’ average in Current Theology Class. Teacher recommendation based upon the following observations: Advanced level of participation, responsibility for work outside of class, student’s desire to truly engage in a search for Truth, Beauty, and Goodness as found in advanced study of Catholic Theology and personal devotional life. Proficiency in English studies: Advanced ability to write and advanced reading comprehension (consultation with current English teacher may occur).

### THEOLOGY 1

#### 1012 College Prep

#### 1013 Intro to Catholicism\*

Year 1 credit Grade 9

The first two semesters of the *Framework* are “The Revelation of Jesus Christ in Scripture” and “Who is Christ?” In these introductory courses to Christian theological study, freshmen learn about Revelation and Scripture in the first semester to focus on the revelation of Jesus Christ and his call to discipleship. The second semester includes an explanation of who God is in Himself through an examination of the Creed.

\*For students with little or no exposure to Catholicism.

### THEOLOGY 2

#### 1021 Honors<sup>1</sup>

#### 1022 College Prep

Year 1 credit Grade 10

Continuing with the *Framework*, the sophomore courses are “The Mission of Christ”, “Christ and the Church”, and “Christ and the Sacraments”. The purpose of the first course is to help students understand all that God has done for us through the Mission of His Son, Jesus Christ. The students learn what it means to live as a disciple of Christ. Students then come to know the sacred nature and divine origin of the Church, and appreciate her as the living Body of Christ today. Finally, students examine the Sacraments in detail so as to learn how they may encounter Christ throughout life. Additional assignments for honor students are incorporated into semester requirements.<sup>1</sup>

<sup>1</sup>Students may not drop honors level after schedules are finalized.

### THEOLOGY 3

#### 1031 Honors<sup>1</sup>

#### 1032 College Prep

Year 1 credit Grade 11

Juniors *Framework* courses include “Moral Living in Christ” and “The Call of Christ: Our Christian Vocation”. In the first semester, Morality, students learn the moral concepts and precepts that govern the lives of Christ’s disciples. The second semester is a study of Christ’s universal call to holiness as expressed through Pope Saint John Paul II’s landmark teaching: *Theology of the Body* - an extensive study of Christian anthropology and human sexuality lived out through our own particular vocation: Marriage, Dedicated Single Life, Priesthood and Consecrated Religious Life.

### THEOLOGY 4

#### 1041 Honors<sup>1</sup>

#### 1042 College Prep

Year 1 credit Grade 12

Continuing the *Framework*, the senior course prepares the students for living their Christian faith after graduation. The course, which includes Spirituality, Catholic Social Teaching, Ecumenism, and Apologetics, aims to integrate the learning of the past three years, foster an adult viewpoint of the Faith, and enable the students to maintain their spiritual growth throughout life in our multicultural world.

## ENGLISH

In the following course descriptions, where two or more levels share the same basic description, it is essential to note that each level is taught with the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

### ENGLISH 1

#### 3011 Honors<sup>1</sup>

#### 3012 College Prep<sup>1</sup>

Year 1 credit Grade 9

**Requirements for Honors: High composite on HSPT and/or teacher recommendation. A summer reading project precedes this course, due three days after school begins.** These courses focus on four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Research skills and MLA-style documentation are taught.

### AMERICAN LITERATURE & COMPOSITION

#### 3021 Honors<sup>1</sup>

Year 1 credit Grade 10

**Requirements: Successful completion of 3011 Honors English I or 3012 college Prep English I; freshman English teacher referral necessary.** The American Literature class emphasizes four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Quarter and/or semester projects are required. Students also review basic grammar/usage concepts, learn effective essay writing skills, research skills and MLA documentation.

## AMERICAN LITERATURE & COMPOSITION

### 3022 College Prep <sup>1</sup>

Year 1 credit Grade 10

**Requirements: Successful completion of college Prep English I or teacher recommendation.** This course focuses on four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Students learn the proper structure and development of the essay in various forms: persuasion, narration, response, interpretation and analysis. In-class impromptu writing is also required. Students also review basic grammar/ usage concepts and learn effective essay writing skills.

## A.P. LITERATURE AND COMPOSITION

### 3030 Honors <sup>1</sup>

Year 1 credit Grade 11

**Requirements: Successful completion of 3021 American literature/ History Block.** This Advanced Placement course is an intensive study and practice of writing and a study of imaginative literature with a strong focus on poetry, British novels, and Shakespearean plays. Through careful reading and critical analysis, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes as well as such literary devices as figurative language, imagery, symbolism, and tone. In addition to reading comprehension, style analysis, and literary evaluation, coursework reviews grammar, syntax, and past AP literature tests. Passing this course requires successful completion of a research paper. Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)

## BRITISH LITERATURE & COMPOSITION

### 3032 College Prep <sup>1</sup>

Year 1 credit Grades 11

**Requirements: Successful completion of Composition Skills/ American literature.** This course focuses on four areas: reading, writing, speaking and listening, and language. Composition study includes refinement of the essay in response to reading. Students also practice grammar, usage, and vocabulary. Literature study is a chronological introduction to major periods in British Literature and will emphasize fiction, informational texts, drama and poetry. Passing this course requires the successful completion of a research paper.

## A.P. LANGUAGE AND COMPOSITION

### 3040 Honors\* <sup>1</sup>

Year 1 credit Grade 12

**Requirements: Successful completion of 3030 A.P. literature and composition.** This Advanced Placement course is an intensive study of language and composition; it is not a literature or creative writing course. Students learn to respond to language with increasing sensitivity and discrimination. The course focuses on three core areas: reading comprehension of highly sophisticated essays and passages, style analysis, and free response interpretation which requires students to address issues or themes based on their own knowledge and reading. Analytical criteria include syntax, diction, figurative language, and tone. \*A summer reading project precedes this Honors/A.P. course due three days after school begins. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

## SENIOR ENGLISH SEMINAR

### 3042 College Prep <sup>1</sup>

Year 1 credit Grade 12

**Requirements: Successful completion of English 3032 British Literature.** Successful completion of English 3032 British literature. The Senior English Seminar course focuses the students on the advancement of skills necessary for college studies. This course focuses on four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Students will be expected to write on a pre-college level, but writings will be utilized to prepare students for the college experience. Additionally, students will develop a college application essay. At the end of the course, students will be required to complete a Final Project, employing comprehensive research skills. A single text is not provided for the class; instead, novels, handouts, and online study will be the sources for this course.

## READING 9, 10

### 3017 Standard

Grade 9

### 3018 Standard

Grade 10

Year 1 credit

The course strives to improve reading levels so that students can succeed in high school. Its goal is to improve the student's vocabulary, comprehension and general cognitive abilities by utilizing current methods of teaching. Incoming freshmen who score below the 15th percentile on the reading section of the high school placement test are required to take this course.

## CREATIVE WRITING

### 3803 College Prep <sup>1</sup>

Year 1 credit Grades 10, 11, 12

**Requirement: Successful completion of previous English classes.** Creative writing is a course designed to explore a plethora of writing genres including short stories, drama, personal narratives, journalistic writing, and various forms of poetry. Students will also explore the lives and writings of published authors. The first semester will focus on poetry. The second semester will focus on short fiction, drama and nonfiction. Evaluation and assessment will be approached through a final portfolio. Because this class is an elective, it is taken in addition to a regular English class. **This course requires extensive daily reading and writing.**

## YEARBOOK

### 3813

Year 1 credit Grades 11, 12

**Requirements: Grade of "B" or better in English, teacher recommendation, and approval of the Yearbook teacher after submission of an application.** Applications will be in Room 214 and are due Feb. 1 to Miss. Delp. This class, in the process of producing the school yearbook, the Centripetal, focuses on the development of journalistic techniques required to produce a timely, creative record of the school year. Work outside of the classroom – mostly photographing events – may be required. Students who wish to enroll must exhibit an enthusiasm for the book as well as a willingness to improve skills in photography, design, and reporting. Class size is limited and does not replace a regular English class.

**DRAMA****3883**

Year 1/2 credit Grades 10, 11, 12

This course serves as an introduction to theatrical arts. Students will experience this through immersion in reading, writing, acting, directing, and set building.

**SPEECH****3843 College Prep**<sup>1</sup>

Semester 1/2 credit All Grades

In speech, students will learn how to prepare and deliver several types of oral presentations including interviews, storytelling, demonstrations, oral interpretations, and speeches to inform, inspire, and persuade.

**DEBATE****3853 College Prep**<sup>1</sup>

Semester 1/2 credit Grades 10, 11, 12

In debate, students get a formal introduction to debate and argumentation. Students will learn how to structure logical arguments that affect society's policies and values, and participate in Student Congress.

\*Honors Debate requirement: CP Debate and instructor approval. Additional assignments are incorporated into the honors course.

**NEWSPAPER (The Centric)****3863**

Year 1 credit Grades 10, 11, 12

**Requirements: Permission of teacher and an application.** This class will focus on the production of the Centric, the school newspaper, as well as publishing online articles and incorporating some knowledge and practice of broadcasting. It will emphasize the responsibility of the press, as well as skills in planning, interviewing, reporting, writing, editing, layout and design. Some after school work may be required, especially in interviewing others outside of class time.

<sup>1</sup> Please note that all AP, Honors, and College Prep English Courses require a summer reading assignment.

ENGLISH CURRICULUM						
	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS	ELECTIVES	
HONORS	3011 English I	3021 American Lit. & Comp.	3030 A.P. Lit. & Comp.	3040 A.P. Lang & Comp.	3803 Creative Writing	3843 Speech
COLLEGE PREP	3012 English I	3022 American Lit & Comp.	3032 British Lit. & Comp.	3042 Sr. English Seminar	3813 Yearbook	3853 Debate
					3883 Drama	3863 Newspaper

**MATH**

In the following math course descriptions where two levels share the same basic description, it is essential to note that each level is taught with a variation in complexity of assignment expectations, lectures, tests, and exams. Graphing calculators (TI-83+ or TI-84/84+) are required for all math courses except Algebra Concepts (TI30X-IIS).

**ALGEBRA 2****6031 Honors****6032 College Prep**

Year 1 credit Grades 9, 10, 11, 12

**Requirements: Successful completion of Geometry H (6021) or Geometry CP (6022) with teacher recommendation.** Included will be polynomial functions, exponential functions, logarithmic functions, inscribed figures, transforming graphs, triangle trigonometry, circular trigonometry, variability, standard deviation, z-scores, identities, contrapositive and inverse, proof methods, sequences and series. (TI) Texas Instrument graphing calculator required.

**ALGEBRA 1****6011 Honors****6012 College Prep**

Year 1 credit Grades 9, 10

**Requirements: Current students: Successful completion of Algebra Concepts with teacher recommendation.** Incoming freshmen: Appropriate score on the High School Placement Test and/or teacher recommendation. This course introduces students to real numbers, polynomials, rational expressions, factoring, equations, graphing, functions, exponents, and square roots. Algebra 1 is a prerequisite for further study in mathematics, chemistry, physics, and some computer science courses. (TI) Texas Instrument graphing calculator required.

**ALGEBRA CONCEPTS****6003**

Year 1 credit Grade 9

This course is intended to help students make the transition from middle school math to high school algebra and geometry. Topics include: fractions, decimals, mixed numbers, signed numbers, arithmetic operations, order of operations, percents, proportions, ratios, divisibility, rounding, unit conversions, geometric concepts, simplification of algebraic expressions, and solutions of linear equations. (TI) Texas Instrument scientific calculator required.

**GEOMETRY****6021 Honors****6022 College Prep**

Year 1 credit Grades 9, 10, 11

**Requirements: Successful completion of Algebra 1 and teacher recommendation.** This course focuses on the concepts of Euclidean Geometry. Topics include congruence of polygons, parallelism, ratio, proportion, similar triangles, circles, and informal proof techniques. Geometry includes the integration and application of algebra in geometric problems. Geometry emphasizes a hands-on approach with less time spent on traditional proofs using theorems and postulates. (TI) Texas Instrument graphing calculator required.

**PRE-CALCULUS****6041 Honors****6042 College Prep**

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Algebra 2 H (6031) or Algebra 2 CP (6032) with teacher recommendation.** This course includes the study of functions and their graphs, conic sections and their graphs, polynomial and rational functions and their graphs, logarithms, exponential equations, and trigonometry. The trigonometry includes trigonometric functions and graphs, inverse trigonometric functions, degree and radian measures, identities, equations, and regression. Honors classes will include solving trigonometric equations, trigonometric form of complex numbers, and a project each semester. (TI) Texas Instrument graphing calculator required.

**A.P. CALCULUS****6040 Honors**

Year 1 credit Grade 11, 12

**Requirements: Successful completion of Pre-Calculus Honors (6041) and teacher recommendation.** A.P. Calculus is a college level course which will prepare all students to take the AB version of the Advanced Placement Exam in May. This course is an intensive study of trigonometry, limits, and several differentiation and integration techniques with an emphasis on applications and modeling geometrically, numerically, analytically, and verbally. (TI) Texas Instrument graphing calculator required. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

**MATHEMATICAL CONCEPTS****6043 College Prep**

Year 1 credit Grade 12

**Requirements: Successful completion of Algebra 2 and recommendation.** Students will explore problem solving, set theory, numbering systems, graphs, angles, trigonometric functions, probability, statistics, application of algebra and geometry topics, and the value of money.

**STATISTICS****6352 College Prep**

Year 1 credit Grade 12

**Requirements: Successful completion of Algebra 2.** This course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will describe patterns and departures from patterns, plan and conduct a study, explore random phenomena using probability and simulation, and estimate population parameters and test hypotheses. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs. (TI) Texas Instrument graphing calculator required.

**MATH CURRICULUM**

	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
HONORS	6031 Algebra 2 6021 Geometry 6011 Algebra 1	6041 Pre-Calculus 6031 Algebra 2 6021 Geometry	6040 A.P. Calculus 6041 Pre-Calculus 6031 Algebra 2	College Credit Plus 6040 A.P. Calculus 6041 Pre-Calculus
COLLEGE PREP	6012 Algebra 1 6003 Algebra Concepts	6022 Geometry 6012 Algebra 1	6032 Algebra 2 6022 Geometry	6042 Pre-Calculus 6043 Math Concepts 6032 Algebra 2 6352 Statistics

## SCIENCE

In the following science course descriptions where two or more levels share the same basic description, please note the following distinctions: (1) a specific text adapted in vocabulary and difficulty for the given level and (2) a variation in complexity of assignment expectations designed according to the abilities of the students enrolled.

1. A research project is required of students in all levels of science courses. (The depth of assignments will vary between the different course levels.)
2. The Central Catholic High School Research Expo is required of students in full-year honors science courses (except A.P. level courses).
3. Students enrolled in Advanced Placement science courses will not be required to participate in Science Expo due to the increased research and lab requirements in these courses.

### BIOLOGY

#### 8011 Honors

#### 8012 College Prep

Year 1 credit Grades 9

**Requirements: Appropriate placement scores.** Course #8011 is the foundation of the science honors program. All freshmen will be enrolled in Biology. Biology courses are lab survey courses of the various forms of life that inhabit the earth. The first part of the course deals with fundamental topics as living characteristics, biochemistry, cellular structure, and function, cellular division, photosynthesis, genetics, and evolution. Later topics include a study of the plant, animal and protist kingdoms. Laboratory activities include microscopic observations, dissection, and growing and observing organisms.

### A.P. BIOLOGY

#### 8010 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: A “B” average in Honors Chemistry or currently enrolled in Honors Chemistry.** This course is part of a national curriculum designed by the A.P. College Board. The A.P. Biology course work is based around the 4 Big Ideas as designed by the College Board. Students will study the process of evolution, the ability for organisms to maintain homeostasis, the transmission of genetic information and the interactions of biological systems with complex properties. Lab work will make up about 25% of the class. The intensity and rigor of this course is demanding and requires independent work. **Students are required to take the A.P. exam at the end of this course (with an expense of \$92.)**

### CHEMISTRY

#### 8031 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of honors Biology and Algebra I and a teacher recommendation.** Honors Chemistry is a lab course designed to examine the theories surrounding matter and its interactions. The course is rigorous by nature and is recommended for students considering a science related career. Extensive use of mathematics is required. Lab work is issue related.

### CHEMISTRY

#### 8032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology & Algebra I.** College Prep Chemistry is a lab course emphasizing the basic concepts of modern chemistry and problem-solving methods used in college courses. Contemporary theories are considered that attempt to explain the interrelationships of matter and chemical behavior and applications to science and industry. Laboratory work is an important component. Scientific calculators & hooded goggles required.

### A.P. CHEMISTRY

#### 8030 Honors

Year 1 credit Grades 11, 12

**Requirements: A “B” average or above in Honors Chemistry, or an “A” average in College Prep Chemistry and recommendation of chemistry teacher.** This A.P. chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college and is structured around the six big ideas articulated in the A.P. chemistry curriculum framework provided by the College Board. This course is recommended for students who wish to take part in a rigorous laboratory science course. Approximately 25% of the course is lab work. Graphing calculator, splash proof goggles, and carbon capable laboratory notebook are required. Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)

### PHYSICS

#### 8042 College Prep

Year 1 credit Grades 11, 12

**Requirements: Successful completion of both Chemistry and Algebra 2 or Integrated Math 2.** This lab course is for the science student contemplating an engineering or science career but who chooses not to take the A.P. Physics course. It is a mathematical approach to Physics. Some long term group projects are required. Participation in a science fair is encouraged.

### A.P. PHYSICS

#### 8040 Honors

Year 1 credit Grades 11, 12

**Requirements: Science: “B” or higher in AP/Honors Chemistry or “A” in CP Chemistry. Math: completion or enrollment in Algebra 2 or Integrated 3.** AP Physics 1 is an algebra-based, introductory college-level physics course outlined by the College Board that explores topics such as Newtonian mechanics (including rotational motion and angular momentum); work, energy, and power; mechanical waves and sound; and introduction to simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course is intended for the engineering, pre-med, pre-dental, pre-vet, pharmacy and architect students. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

### INTEGRATED PHYSICAL SCIENCE

#### 8002 College Prep

Year 1 credit Grade 10, 11, 12

This lab-based course covers topics in traditional physical science, earth and space science and contemporary issues in the natural world. This course is designed for the student who wants to pursue further studies in chemistry and/or physics, as well as for the student who wants to meet the physical science requirement for graduation.



## ANATOMY AND PHYSIOLOGY

### 8021 Honors

### 8022 College Prep

Year 1 credit Grades 10, 11, 12

All Anatomy and Physiology courses are lab survey courses which include an in-depth examination of the structures and functions of the various systems comprising the human body. Detailed dissections, including the long-term dissection of a cat, are an integral part of these courses.

## ECOLOGY

### 8223 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology.** This lab course is designed to provide students with an introduction to ecological principles and applications. Students will investigate the nature of the relationships of plants, animals, and humans and their interdependence on the environment. Using case studies and news articles, students explore current issues such as the use and misuse of energy, soil and water pollution, growth and management of communities, and other contemporary topics. Labs are included on a limited basis.

## ZOOLOGY

### 8224 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology.** This lab course is designed to provide students with an introduction to general zoology. Students will investigate the origin of animal life, animal reproduction, and development. Classification of major phyla of animals and the major classes of vertebrates, as well as structure and function of animal anatomy will constitute the majority of this class. By studying basic concepts of animal behavior and ecosystems, students will use dissections, case studies and other contemporary concepts to further their knowledge of animal science.

## BOTANY

### 8331 Honors

### 8332 College Prep

Semester 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology.** This advanced biology course focuses on the study of plants: their anatomy and physiology, evolution, taxonomy, genetics and ecology. Project-based activities and labs will complement classroom learning.

## ADVANCED TOPICS IN BIOLOGY

### 8000 Honors

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of Biology and Anatomy & Physiology.** This advanced biology course includes the study of genetics, microbiology and pathology within several organisms and systems. The challenging nature of this course is designed for the student who plans to continue higher levels of science studies.

## FORENSIC SCIENCE

### 8421 Honors

### 8422 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Successful completion of College Prep or Honors Algebra 1 and Chemistry (can be concurrent).** Recommended: Successful completion of Anatomy (can be concurrent). Forensic Science is a laboratory-based semester elective for juniors and seniors. The course focuses on the science behind crime scene investigation. Elements of several science disciplines are included in the curriculum, including biology/anatomy, chemistry, and physical science. The honors level course includes a heavier mathematical and technical focus and a research project.

SCIENCE CURRICULUM			
	FRESHMEN	SOPHOMORES	JUNIORS & SENIORS
HONORS	8011 Biology	8021 Anatomy & Physiology 8031 Chemistry 8010 A.P. Biology 8331 Botany	8031 Chemistry 8040 A.P. Physics 8021 Anatomy & Physiology 8010 A.P. Biology 8030 A.P. Chemistry 8000 Advanced Topics in Biology 8331 Botany 8421 Forensic Science
COLLEGE PREP	8012 Biology	8022 Anatomy & Physiology 8032 Chemistry 8002 Integrated Physical Science 8331 Botany	8032 Chemistry 8042 Physics 8022 Anatomy & Physiology 8223 Ecology 8224 Zoology 8332 Botany 8422 Forensic Science

## HEALTH/PHYSICAL EDUCATION

### HEALTH

#### 9013

Semester 1/2 credit Grades 9, 10

Health classes study numerous topics using a “wellness” approach: making healthy decisions, managing stress, mental disorders and suicide, preventing violence, food and nutrition with a focus on analyzing diets, exercise and lifelong fitness, skeletal, muscular, and nervous systems, cardiovascular and respiratory health, alcohol, tobacco, preventing drug abuse, reproduction and heredity, pregnancy, birth and childhood, STD’s, and chronic diseases.

### WEIGHTLIFTING & NUTRITION

#### 9133

Semester 1/2 credit Grades 10, 11, 12

**Requirement: Successful completion of 9001-9002 Physical Education or have met the physical education waiver requirement.**

Weight training and strength training builds muscles and increases your energy level and metabolism. This self-directed course will allow you to track and record your fitness progress over a semester. Nutrition, weight control and exercise safety will be discussed. Cardiovascular training will be included. This is an elective course and may be taken only once.

### PHYSICAL EDUCATION I \*

#### 9001

Semester 1/4 credit Grades 9, 10

Physical Education is taught in a coed environment where sportsmanship, rules, cooperation, and teamwork are emphasized. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. The topics offered are football, soccer, volleyball, basketball, floor hockey, handball, softball, and badminton with a special focus on weight training and fitness. Students will also participate in a variety of other cooperative games designed to be fun and interactive to maximize participation and physical activity.

### PHYSICAL EDUCATION II \*

#### 9002

Semester 1/4 credit Grades 9, 10

Students enrich the skills learned in PE I. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and continued emphasis on physical fitness.

\* Physical Education may be substituted for other credits if the student participates in two seasons of Central Catholic sports, marching band, cheerleading and some club sports, and should be fulfilled by the end of the student’s sophomore year.

**\*Students pursuing the Phys. Ed. waiver must fulfill the requirement by the end of sophomore year or Phys. Ed. will be on the schedule junior year.**

## SOCIAL STUDIES

### WORLD STUDIES

#### 5011 Honors

#### 5012 / 5013 College Prep

Year 1 credit Grade 9

This course examines world events from 1600 to present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking will continue with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

### A.P. US HISTORY

#### 5020 Honors

Year 1 credit Grade 10

**Requirement: Teacher Recommendation.** Advanced Placement U.S. History offers sophomores an accelerated and in depth investigation of individuals and events that have shaped our nation. This course covers the time period between the Age of Exploration and the Post World War II era. The concepts of historical thinking continue as students draw conclusions by locating and analyzing primary and secondary sources of information. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

### AMERICAN HISTORY

#### 5022 / 5023 College Prep

Year 1 credit Grade 10

**Requirements: Teacher/counselor recommendation.** This course examines the history of the United State of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today’s citizens is the purpose of this course. The concepts of historical thinking continues as students draw conclusions from locating and analyzing primary and secondary sources of information.

### A.P. U. S. GOVERNMENT

#### 5040 Honors

Year 1 credit Grades 11, 12

**Requirements: Teacher recommendation.** This Advanced Placement course requires in-depth reading assignments and intensive discussions. The Federal Government and its branches are a major part of the course. Civil rights, great documents in U.S. government, and landmark Supreme Court cases. are heavily emphasized. Students are required to assist a political candidate for six hours during election times. In non-election years, written projects are required. This course includes a Financial Literacy unit as required by the state. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

## AMERICAN GOVERNMENT

### 5042 / 5043 College Prep

Semester 1/2 credit Grade 11, 12

#### **Requirements: Recommendation from World History teacher.**

This course examines how the American people govern themselves at national, state and local levels of government. Special attention will be given to the Bill of Rights, including Supreme Court cases that deal with those rights. The concept of historical thinking continues as students draw conclusions from locating and analyzing primary and secondary sources of information. This course includes a Financial Literacy and Economics unit as required by the state.

## ECONOMICS

### 5132 College Prep

Semester 1/2 credit Grades 11, 12

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. This course is conducted in coordination with Junior Achievement.

## GEOGRAPHY

### 5112 College Prep

Semester 1/2 credit Grades 9, 10, 11, 12

This course will build on students' prior knowledge of geography and spatial thinking through contemporary issues. Also, students will understand where the physical and cultural features are located and why they are located as they are and the implication of these arrangements.

## INTRODUCTION TO SOCIOLOGY

### 5143 College Prep

Semester 1/2 credit Grades 10, 11, 12

This college preparatory course will focus on the understanding of social interaction, social organization, social institutions, and social change. Students will explore ways human groups cooperate and conflict with one another. Multicultural awareness as well as other diversity issues involved in improving human relations will be a consistent theme throughout the course.

## RIGHTS AND PROTESTS IN THE 20<sup>TH</sup> CENTURY

### 5232 College Prep

Semester 1/2 credit Grades 11, 12

Students in this college preparatory course will have the opportunity for a more in depth study of recent America. Topics include but are not limited to the Civil Rights movement, the rise of totalitarianism in Nazi Germany and Fascist Italy, Apartheid, Vietnam, and the Feminist Movement. The course will also place emphasis on the understanding of global issues.

## INTRODUCTION TO PSYCHOLOGY

### 5142 College Prep

Semester 1/2 credit Grade 11, 12

The study of human behavior is a fascinating but important field. In this introductory look at the world of Psychology we will talk about how the human brain functions and controls our behavior, mental disorders and their causes/treatments; how memory works and the factors that affect it; the stages and problems associated with sleep and how to deal with them; and more. Students should be prepared to play an important role in determining what topics are discussed, and participation in classroom activities is a major requirement.

## A.P. PSYCHOLOGY

### 5140 Honors

Year 1 credit Grades 11, 12

**Requirements: Teacher recommendation.** This A.P. Psychology course is designed to introduce students to the study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with psychology. This course requires discussions and extensive reading. Students should be prepared for the intense pace at which this course progresses. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

## MUSIC

**SPECIAL MUSIC MAJOR:** For those students who have a special interest in music, a special music major can be obtained. The requirements are successful completion of four music credits. An embossed seal on the diploma will designate this achievement.

## BEGINNING BAND

### 7003

Year 1 credit All Grades

This course is for the student, with little or no experience, who would like to learn to play a wind or percussion instrument. The course meets daily throughout the year. There will be required performances outside the school day. Parents/Guardians will be responsible for renting or purchasing an instrument for their student. After completing the Beginning Band course, students will be eligible to participate in Marching, Concert and Performing Band.

## MARCHING BAND

### 7012

1st Semester 1/2 credit All Grades

**Requirements: Taken in conjunction with 7712- Performing Band. Completion of Beginning Band, participation in junior high band program, or approval of director.** This course is for students who wish to participate in the CCHS Marching Band. It is open to instrumentalists and members of the "Irish Spirit" (flag line). Marching Band will meet daily during 7th period in the first semester. There will be performance requirements outside the normal school day, including football games. During the summer, rehearsals are held during the 2-3 weeks preceding the school year. For a summer schedule with exact dates, please contact the Director.

## CONCERT BAND

7112

2nd Semester 1/2 credit All Grades

**Requirements: Completion of Beginning Band, participation in junior high band program, or approval of director.** This course is for instrumentalists who wish to participate in the C.C.H.S. Concert Band. The Concert Band performs a variety of music from many styles and periods. Students will develop their sight-reading skills and general musicianship through this course. The course will meet daily during 7th period in the second semester. There will be concert requirements outside the normal school day. Students may take this course in addition to course #7012.

## PERFORMING/MARCHING BAND

7712

1st Semester 1/2 credit All Grades

Requirements: Taken in conjunction with 7012. Completion of Beginning Band, participation in junior high band program, or approval of director. This course is in conjunction with Marching Band. The course meets three days per week after school during the first semester. It is important to note that those who sign up for this course must also sign up for Marching Band (7012).

## MIXED CHORUS

7113

Year 1 credit All Grades

Mixed Chorus is open to all voices who wish to sing in a SAB or SATB performing group while learning the fundamentals of voice production, score interpretation, sight reading, and basic theory. The Mixed Chorus performs in "The Sounds of Christmas," OMEA choral contests, the "Festival of the Lively Arts," and sings at some school Masses. Performance are mandatory and all students are required to attend one performance of the Spring Musical.

## GLEE CLUB

7021 Honors\*

7033 Standard

Year 1 credit Grades 10, 11, 12

Requirements: Audition and teacher approval (NOTE: Although Mixed Chorus is an excellent preparatory course for Glee Club, it is not a prerequisite.) The Glee Club is a select choir which studies sight reading, choral diction, articulation, balance, blend, vocal production, and stage presence. Members perform a varied selection of choral repertoire ranging from classical to contemporary literature. Glee Club members have a rigorous performance schedule throughout the year including "The Sounds of Christmas" and the Spring musical. Students are required to attend Spring musical rehearsals during the week of Easter vacation. \*Students need at least two credits in one or more of Central Catholic's vocal groups to qualify for honors credit. Class credit applies to both singers and student accompanists.

## BEGINNING PIANO

7313

Year 1 credit All Grades

This course is for students who have no previous experience playing the piano. Instruction includes learning to read music, performing pieces with musical accuracy as well as learning basic music theory. Performances outside the school day will be required. Limited enrollment. Students will participate in a recital in the Spring. This will be a major part of their final grade.

## INTERMEDIATE PIANO

7223

Year 1 credit All Grades

This course is for the advanced student. Students should have taken a beginning course in music and be able to audition for the instructor. Access to a piano is required. Many styles in music and composers will be covered. Performances outside the school day will be required. A composition will also be required after completion of this course. Limited enrollment. Students will participate in a recital in the Spring. This will be a major part of their final grade. Some students will be chosen to participate in the solo and ensemble contest in January or February.

## STRING ORCHESTRA

7103

Year 1 credit All Grades

The String Orchestra is an ensemble that meets during school everyday and is open to all classical string instruments (violin, viola, cello, bass). The ensemble studies and performs music from all genres, including anything from classical to contemporary music. The group is involved in concerts throughout the year and has monthly lessons with members from the Toledo Symphony Orchestra. String orchestra is open to all experienced members as well as members looking to learn a new instrument!

## BEGINNING GUITAR

7921

Year 1 credit All Grades

**Prerequisite: Must provide instrument.** This class will teach the fundamentals of the guitar and introduced students to basic music techniques. They will cover reading sheet music, basic music theory, songwriting, improvisation, history and genres of the guitar, as well as how to care for the instrument.

## INTERMEDIATE GUITAR

7922

Year 1 credit All Grades

**Prerequisite: Must provide instrument, and have passed beginning guitar or an audition.** This class will build upon the skills learned in beginning guitar. They will go into more detailed examination of the beginner topics and this class will have a larger focus of songwriting, improvisation, theory, and reading sheet music.

## DANCE I

7823

Semester 1/2 credit All Grades

Students will learn an introduction to studio practice of ballet, jazz, tap, hip-hop and musical theatre dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have appropriate dance attire (girls dress in black fitted bottoms and a fitted top and boys in a pair of gym shorts and a t-shirt). Black jazz shoes are required (an additional cost of about \$40). This course is one (1) semester and students will earn one half (1/2) of a credit towards their fine art requirement for graduation.

## DANCE II

7824

Semester 1/2 credit All Grades

This class is a continuation of Dance 1. Students with previous dance experience can enroll in this course without taking Dance I. Ballet, jazz, tap, hip-hop and musical theatre dance will be taught at a more advanced level with the continuation of the study of theory, dance history, famous dancers and choreographers, dance styles and dance vocabulary. Students are required to have the appropriate dance attire (girls dress in black fitted bottoms and a fitted top and boys in a pair of gym shorts and a t-shirt). Black jazz shoes are required (an additional cost of about \$40). Again, this course is one (1) semester and students will earn one half (1/2) of a credit towards their fine art requirement for graduation.

## ART

**SPECIAL ART MAJOR:** For those students who have a special interest in art, a special art major can be earned. The requirements are successful completion of four visual art credits. An embossed seal on the diploma will designate the achievement.

### ART FUNDAMENTALS

9113

Year 1 credit All Grades

This is an introductory course that exposes students to art production, art history, art criticism, and aesthetics. Studies of the elements and principles of design are incorporated into studio projects in a sequential fashion. Drawing, painting, printmaking, computer graphics, and ceramics are introduced.

### DRAWING & PAINTING

9022

Year 1 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and instructor approval.** One semester will focus on drawing, which will include a variety of mediums such as graphite, pen & ink, charcoal, etc. Subject matter will include studies of still life, portraits, and the human figure. The painting semester will explore theories of color through the use of color pencils, watercolor, and acrylic paints. Art history and appreciation will be incorporated into both semesters.

### CERAMICS & SCULPTURE

9032

Year 1 credit Grades 10, 11, 12

**Requirements: Art Fundamentals and at least a B average in one of the following courses: Drawing & Painting, Design, or Graphics and instructor approval.** This course introduces students to clay as a medium for creative expression. Hand-building and wheel-throwing methods will be introduced, as well as glazing techniques. Students will explore clay and various other materials to make relief sculptures and free-standing sculptures.

### DESIGN 2-D

9122

Year 1/2 credit Grades 10, 11, 12

**Requirements: Digital camera, at least a B average in Art Fundamentals and instructor approval.** This course will focus on understanding the principles of design and applying these principles to two-dimensional works of art. A variety of mediums will be explored, including paint, oil pastels, collage and mixed media. Students will also be introduced to digital photography.

### GRAPHICS

9222

Year 1/2 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and instructor approval.** This class explores the elements of art and design principles as applied to fine art applications in digital imaging. Students will use Adobe Photoshop to explore both technical and artistic image manipulation. Some of the topics covered are retouching, image adjustments, extracting techniques, masks, filters, and creating custom brushes, patterns, and gradients.

### 3D MODELING & ANIMATION

2063

Semester 1/2 credit Grades 10, 11, 12

**Requirements: At least a B average in Art Fundamentals and instructor approval.** This class will focus on various aspects of 3D imaging and animation using Blender. Some of the topics covered will be 3D wireframe modeling, extruding 3D meshes, multi-resolution mesh modeling, rigging, skinning, keyframe animation, modifiers, materials, textures, and particle systems.

### ADVANCED ART

9041 Honors

Year 1 credit Grades 11, 12

**Requirements: Instructor approval, Art Fundamentals, and at least one of the following courses: Design, Drawing & Painting, or Graphics.** This is a Pre-A.P. course that follows the course audit for the Breadth section of the A.P. portfolio. A complete portfolio will not be submitted to the College Board until the A.P. Studio Art course is completed, but seniors may take Advanced Art without taking AP Studio Art. Students taking Advanced Art will explore a variety of subject matter and media to explore visual problem solving while developing either an A.P. Drawing or A.P. 2D Design portfolio. This course is for students who are highly motivated and serious about pursuing art a college level.

## AP STUDIO ART

### 9040 Honors

Year 1 credit Grade 12

**Requirements: Instructor Approval, Art Fundamentals, and two of the following courses: Drawing & Painting, Design, or Graphics.** This course is for the serious art student who is highly motivated and interested in pursuing visual art at the college level. Students may choose from the A.P. Drawing or A.P. 2D Design portfolios. In this course, students will engage in intensive study in an area of concentration that exhibits competence in a variety of media and subject matter. Students will submit a portfolio for evaluation to the College Board that comprises all three sections of the A.P. Studio Art portfolio: Quality, Breadth, and Concentration.

## BUSINESS & INFORMATION TECHNOLOGY

A signed Central Catholic Acceptable Use Policy must be on file before students may take any of the following courses.

### ACCOUNTING

#### 2022

Year 1 credit Grades 10, 11, 12

Accounting 1 introduces the college-bound student to the basic accounting concepts and career options, then progresses through the accounting cycle of a proprietorship and partnership. These concepts are reinforced on the computer with the use of an automated accounting program.

### GENERAL BUSINESS

#### 2113

Year 1/2 credit Grades 9, 10

This course is designed to provide students with an understanding of how our business system works and to provide the knowledge for them to become intelligent users of the goods and services provided in our economic system. Some of the areas covered are: business principles, career planning, becoming a wise consumer, money management, banking, using credit, insurance, saving, and investing. This course will incorporate use of laptops for document preparation, Internet searches, and basic spreadsheets.

### PERSONAL MONEY MANAGEMENT

#### 2033

Semester 1/2 credit Grades 11, 12

Are you prepared for college? Are you getting ready to leave the comforts of home and explore life on your own? Would you like to learn how to keep your own personal records: bank accounts, budgets, credit cards, investments & loans? If so, Personal Money Management is the course for you.

### INTRODUCTION TO MICROSOFT OFFICE

#### College Prep 2072

Semester 1/2 credit All Grades

This course gives students comprehensive knowledge of Microsoft Office, specifically business and career documents as well as presentation creation skills useful in the professional world. MS Excel will explore real-life applications, such as money management. Exploring MS Outlook will include learning email etiquette and Internet safety. Space is limited to 12 students.

### COMPUTER AIDED DESIGN (CAD)

#### 2032 College Prep

Year 1/2 credit Grades 10, 11, 12

**Requirements: Approval of instructor.** The C.A.D. portion of this course will introduce students to architectural drawing using a professional C.A.D. program. Students will design and create various 2D and 3D drawings. Students will also be introduced to a pre-engineering component in which students will design, construct in scale, and test the structural stability of bridges. A Macintosh platform will be used.

### ROBOTICS

#### 2052

Semester 1/2 credit Grades 10, 11, 12

Robotics is designed for students to learn computer programming logic and reasoning skills using a robotics engineering context. The curriculum consists of four parts including: Basic Movement, Sensors, Program Flow, and Direct Control. Each part is broken into units that incorporate key robotics and programming concepts. Research projects will expose students to the engineering process.

### DIGITAL VIDEO

#### 2132 College Prep

Semester 1/2 credit Grades 9, 10, 11, 12

This course introduces students to the world of digital video production. With an emphasis on real-world relevancy, students will learn in a creative lab environment using Macintosh workstations and Apple Final Cut Pro X. Students will learn the importance of pre-production planning and create video projects on their own and in groups. Class is limited to 16 students.

### WEB DESIGN I

#### 2012 College Prep

Semester 1/2 credit All Grades

This course offers an introduction to web page design through XHTML, code and beginning Javascript. Students will develop simple web pages with raw code and page editors and learn to enhance the page design with graphics and animation. Photo editing and GIF animation will be taught through Adobe Photoshop and Flash.

**WEB DESIGN II**  
**2122 College Prep**

Year 1/2 credit Grades 10, 11, 12

**Requirements: Successful completion of Web Design I and approval of Instructor.** This course continues where Programming I ends. Students will continue to work in raw code focusing on javascript, HTML, and will do more in-depth work with Macromedia Flash Actionsript.

**MEDIA TECHNOLOGY**  
**2042 College Prep**

Year 1/2 credit Grades 11, 12

This course focuses on multimedia techniques found in today's audio studio and live sound production. Students will learn the fundamentals of audio in a Macintosh lab and will be introduced to Avid Pro Tools. Course participants are responsible for the setup and running of the school's AV equipment during in-school and after-school events. Course is limited to 12 students.

**INTRODUCTION TO BROADCASTING**  
**3874**

Year 1 credit Grade 12

Prerequisites: B in English, Speech CP preferred, audition with instructor. This class will help students communicate to the masses in both spoken and written forms using proven broadcasting and production techniques. In this hands-on class students will research, prepare, write and produce the daily announcements for the school's Irish News Network.

## WORLD LANGUAGES

**SPECIAL CONSIDERATIONS:** World languages are offered to give students an awareness of other cultures and a knowledge of basic language skills. The successful completion of world language study also enhances the student's readiness for college. It is recommended that college bound students take at least two years of the same world language. World languages are learned through a process of skill building; a student must understand level one material before advancing to level two. Therefore, students must meet requirements before advancing to the next level. Note: incoming 9th graders who have already completed one or more full years of world language will be required to complete a world language placement test if they wish to test out of the first year.

**SPANISH 1**  
**4012 College Prep**

Year 1 credit All Grades

**Requirements: At least a C average in Language Arts.** This course is designed to cover daily vocabulary, verb structures, conversational expressions and grammar. The course includes an introduction to the Hispanic world including its culture and customs. (Minimum of 20 students)

**SPANISH 2**  
**4021 Honors**  
**4022 College Prep**

Year 1 credit All Grades

**Requirements: Successful completion of Spanish 1.** Part two of the basic elements of Spanish, Spanish 2 further explores tenses and vocabulary. The course offers a more expanded view of select Hispanic countries. The honors level goes beyond this scope to include extra reading and writing projects of varying length.

**SPANISH 3**  
**4031 Honors**

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Spanish 2.** This course offers honors-level work in the skills of listening, speaking, reading and writing and emphasizes more sophisticated grammar structure. The student is now expected to put into use the skills from Spanish 1 and 2 through authentic literary selections, writing projects and communicative activities. Spanish culture and civilization are emphasized in the course.

**SPANISH 4**  
**4041 Honors**

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Spanish 3 (H).** This course further develops honors work in all the language skills using more comprehensive language structures. There is continued focus on developing an understanding of the culture and civilization of the Spanish-speaking world.

**A.P. SPANISH LANGUAGE AND CULTURE**  
**4050 Honors**

Year 1 credit Grades 11, 12

**Requirements: Spanish 4 (H) or a 90% or higher in Spanish 3 (H) with a teacher recommendation.** This course is for the highly motivated language student. It develops language skills through interpersonal, interpretive and presentational communication. Instruction also focuses on the culture and civilization of the Spanish-speaking world as they compare to and contrast with the student's own culture. Instruction and student participation are in Spanish. This course has been designed to follow the College Board A.P. guidelines. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

**FRENCH 1**  
**4112 College Prep**

Year 1 credit All Grades

**Requirements: At least a "C" average in Language Arts.** This course is designed to give the student the ability to speak, read, write and understand basic French: conversation using everyday expressions is emphasized. In the early stages there is greater stress on the syntax and sounds of the language. The French way of life in modern France, the culture, and some geography is incorporated into the first level. (Minimum of 20 students)

## FRENCH 2

### 4121 Honors

### 4122 College Prep

Year 1 credit All Grades

**Requirements: Successful completion of French 1.** This course offers further development of the basic communication skills of speaking, writing and reading French to cultivate an appreciation and respect for the French people and their language, culture, tradition and lifestyles.

## FRENCH 3

### 4131 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of French 2.** This course offers the development of the basic means of communication skills through a more intense use of speaking, writing, and a greater emphasis on reading more supplementary materials. An in-depth study of culture, language and lifestyles of the culture and lifestyle of the French people is pursued.

## FRENCH 4

### 4141 Honors

Year 1 credit Grades 11, 12

**Requirements: Successful completion of French 3 (H).** This course offers a study of French history, literature, and art from prehistoric to modern times. Discussions are conducted in the target language on cultural and civilization topics. There is also an extensive grammar review.

## A.P. FRENCH LANGUAGE AND CULTURE

### 4150 Honors

Year 1 credit Grades 11, 12

**Requirements: A “B” or higher in French 3 (H) and teacher recommendation or French 4 (H).** This course is conducted in the target language and is for the highly motivated language student. It develops language skills through interpersonal, interpretive and presentational communication. Instruction also focuses on the culture and civilization of the French-speaking world as it compares to and contrasts with the student’s own culture. This course has been designed to follow the College Board A.P. curriculum. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$92.)**

## LATIN 1

### 4312 College Prep

Year 1 credit All Grades

**Requirements: At least a “C” average in Language Arts.** This course presents the basic sounds (Ecclesiastical pronunciation) and grammar of the ancient Latin Language, with the goal of reading and understanding it, not conversing in it. Students learn stories of ancient Rome and Graeco-Roman Mythology, as well as Christian Prayers. Constant connections are made to English grammar and vocabulary, as well as to the rich art, architecture, and political systems of Roman civilization.

## LATIN 2

### 4321 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Latin 1.** This course further develops the ability to read and understand Latin, going into more complex grammatical structures. Continued exposure to Roman history, geography, art and architecture is presented. Students will translate from “Caesar’s Gallic War” and other Latin literature.

## LATIN 3

### Honors 4331

Year 1 credit

**Requirements: At least a “B” average in Latin 2.** This course provides continued studies of complex Latin grammatical structures. Students will translate and analyze the works of various Latin authors including Caesar and Cicero. Studies of Ancient Roman history and culture will focus on Roman oratory and comedy, as well as the government of the Late Republic.

## ENGLISH LANGUAGE AND CULTURE

### College Prep 3903

### Honors 3901

Year 1 credit

This course is required for non-native English speakers and international students. The focus of the course is to integrate English language skills with content area learning to ensure success in the classroom and on standardized tests. The course offers development in the language skills of reading, listening, speaking, and writing paragraphs and short essays.



## POLICIES

### ACADEMIC INTEGRITY POLICY

Academic integrity is a guiding principle of Central Catholic High School's course of studies. Consequently, any form of cheating, including plagiarism, bears severe consequences. Generally, plagiarism is any presentation of another's work as one's own without acknowledging the source in standard academic formats such as a works cited list or a bibliography. Forms of plagiarism include:

1. Copying information word-for-word, in whole or in part, without using quotation marks and without acknowledging sources;
2. Copying key words and/or phrases without using quotation marks and without acknowledging sources;
3. Paraphrasing material and using another's ideas without acknowledging sources;
4. Using another's creative work such as art or photography without permission or acknowledgement;
5. Representing another person's work as one's own;
6. Using work produced for another assignment or class without the current instructor's permission, though not technically plagiarism, is similarly consequence under this policy;
7. Fabricating or deliberately giving incorrect information about sources. Sources include any audio or visual means of recording information, such as printed material, computer files, CD's and online media.

The academic penalty is zero credit with no option to rewrite the assignment. This could entail a student failing for the quarter if the assignment is a major part of the grade, such as a research paper. In addition, the student will receive three citations, the school's disciplinary penalty for cheating. There may be additional consequences if the student is involved in any extracurricular activities, such as, but not limited to, National Honor Society or Student Council.

This policy is predicated on the fact that words and ideas are intellectual property which is protected by United States copyright law. Intellectual theft is therefore illegal as well as unethical, and grounds for dismissal from colleges and universities.

### ACADEMIC HONOR ROLL

At the end of each quarter, academic honors are awarded to students who have performed superior work in the classroom.

- **Summa Cum Laude** (first honors) will be granted to students with a quarterly grade point average of 3.90 or higher.
- **Magna Cum Laude** (second honors) will be granted to students with a quarterly grade point average of 3.50 to 3.89.
- **Cum Laude** (third honors) will be granted to students with a quarterly grade point average of 3.10 to 3.49.

### ACADEMIC LETTERS

Academic letters have been established as a visible way of recognizing outstanding academic achievement. Students earn an academic letter by appearing on the school's Summa Cum Laude or Magna Cum Laude Honor Rolls a total of seven times. For each additional three appearances, students will receive a "Lamp of Learning" pin to be attached to their academic letter.

### INSIGNIS SOCIETY

Each year, Central Catholic presents this award to the outstanding scholars in the senior and junior classes. These awards are based on the current class rank. This award is given to the top twelve seniors and top eleven juniors. See the family handbook for more detail.

### NATIONAL HONOR SOCIETY

Sophomores, juniors, and seniors become candidates for the NHS by attaining a 3.5 cumulative grade point average or higher. The faculty then votes on membership according to four criteria: scholarship, leadership, service, and character. Students selected for membership to the NHS are inducted annually in the spring.

### GRADING

Grading system is as follows:

A	100 – 93	Excellent
B	92 – 85	Above Average
C	84 – 77	Average
D	76 – 70	Below Average
F	Below 70	Failure
I		Incomplete
P		Below standards, credit awarded
WF		Withdrawn Failing

Students enrolled in honors or A.P. classes will be awarded an extra point provided a grade of A, B, or C is earned for the class.

### GRADUATION POLICY

Only those students who have satisfied all graduation requirements and responsibilities may participate in the Baccalaureate Mass and Commencement. See the Family Handbook for more detail.

Students must remain enrolled at Central Catholic through their senior year; early graduation is not permitted.

**STATE ASSESSMENTS**

Central Catholic High School students must meet state requirements in order to graduate.

**MINIMUM COURSE LOAD**

In order to qualify as a full-time Central Catholic student, a student must take a minimum of six academic courses. Study halls, school service, and similar activities do not qualify as academic courses.

Courses taken through the College Credit Plus Program qualify as part of the minimum course load with permission from the counselor and principal.

**SUMMER SCHOOL AND REMEDIATION**

To be certain that each student meets minimum standards, Central Catholic requires the following:

A student deficient in required credits **MUST** make up those credits in summer school before returning to Central Catholic High School. Students are advised to check the Academic Probation Policy in the Family Handbook.

Summer school classes are remedial. Summer school classes taken for advanced credit must receive prior approval by the principal to fulfill diploma requirements.

**SCHEDULE CHANGE POLICY**

After students select courses for the next school year in early February, they may change those course selections at no cost until April 15. After April 15, there will be a fee of \$25.00 for any course changes requested by a student.

As of June 1 all course schedules for the next school year are FINAL. NO COURSE CHANGES MAY BE MADE AFTER THIS DATE.

**NOTES**



**CENTRAL CATHOLIC**  
**H I G H S C H O O L**

**One Faith. One Community. One Mission.**