

2014 | 2015

# Academic Catalog

Click on the subject below to view the academic courses for each department.

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CENTRAL CATHOLIC  
HIGH SCHOOL

One Faith. One Community. One Mission.

**The One.**

# ON-LINE SCHEDULING FOR 2014-2015 SCHOOL YEAR

<b>January 13</b>	Academic course catalog available on-line at <a href="http://www.centralcatholic.org">www.centralcatholic.org</a> . Parents should review course offerings and graduation requirements with their students.
<b>January 14-17</b>	Guidance counselors meet with students to explain the on-line process.
<b>January 21-24</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 21-24</b>	<b>SIGNING DAYS:</b> Teachers review <i>Course Request Cards</i> . Teachers will SIGN or COMMENT regarding their recommendations.
<b>January 24</b>	Parents review requests, recommendations and sign the <i>Course Request Card</i> . Parent and student signatures are REQUIRED prior to processing. Any questions or concerns should be written on the back of the card.
<b>January 27-30</b>	<b>ON-LINE SCHEDULING WINDOW:</b> Students and parents go to PowerSchool and click on "Class Registration" tab at the top and select their approved courses on-line using the <i>Course Request Card</i> as a guide. When completed, Click on SUBMIT.
<b>January 31</b>	Completed <i>Course Request Cards</i> will be collected during 3 <sup>rd</sup> period. Students will NOT be scheduled or registered unless the \$250 (non-refundable) registration fee is submitted with the <i>Course Request Card</i> .
<b>February-March</b>	Counselors meet individually with each student to review course requests.
<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.

**TO ACCESS POWERSCHOOL:** Students and parents must use their **Username and Password**. They are listed on your student's grade card or by calling our Technology Department at: (419)255-2280. Please obtain this information before the scheduling window of January 27-30. Parents can access PowerSchool by going to [www.centralcatholic.org](http://www.centralcatholic.org) and click on "Current Students & Parents" and on "PowerSchool".

## INCOMING 9TH GRADERS (CLASS OF 2018)

<b>January 30</b>	Acceptance letters and award letters will be sent to eighth grade students.
<b>February 19</b>	Parent Informational Night
<b>February 28</b>	Deadline for returning all scheduling forms, including non-refundable \$250 registration fee and tuition registration form.
<b>March &amp; April</b>	Freshman scheduling
<b>May 30</b>	Tuition deadline

# 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 CCHS itself, has served to guide and determine the requirements of the diplomas. All students are required to pass the State of Ohio graduation tests and fulfill all Central Catholic requirements in order to receive a CCHS diploma.

**HONORS DIPLOMA** requires the most demanding course load in order to satisfy the needs of highly motivated honors level students; it is designed to assist the student in securing acceptance into selective universities.

### Honors Diploma Requirement:

Religious Studies	4.0
English	4.0
Math*	4.0
Science (inc. Bio., Chem., & Physics)	4.0
Social Studies (inc. Am. Govt. & 2 Hist. courses)	3.0
World Language (of same lang.)	3.0
Fine Arts	1.0
Health/Phys. Ed.	1.0
Elective	1.0
<b>Total required</b>	<b>25.0</b>

\***Honors Diploma:** Math courses required for this diploma must include Pre-Calculus. Students must accumulate 10 Honors courses and a G.P.A. of 3.5 or higher.

**COLLEGE PREP DIPLOMA** requires an intensive course of studies 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 Diploma Requirements:

Religious Studies	4.0
English	4.0
Math	4.0
Science (inc. Bio. & Chem.)	3.0
Social Studies (inc. Am. Govt. & 2 Hist. courses)	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:** All College Prep students will be required to earn 4.0 math credits. (Including Algebra 2 or Integrated 3)

**STANDARD DIPLOMA** requires course work in an approved course of study in order to earn a diploma. This curriculum meets all minimum state standards.

### Standard Diploma Requirements:

Religious Studies	4.0
English	4.0
Math	4.0
Science (inc. Biology)	3.0
Social Studies (inc. Am. Govt. & 2 Hist. courses)	3.0
Health/Phys. Ed	1.0
Fine Arts	1.0
Electives	4.0
<b>Total required</b>	<b>24.0</b>

All standard diploma students will be required to earn 4.0 math credits. (Including Algebra 2 or equivalent)

**Physical Education Waiver:** If students participate in two seasons of CCHS sports, marching band, cheerleading or certain club sports, they qualify for the Phys. Ed. waiver.

## FAITHFUL ACTIVE CATHOLIC TEENS (F.A.C.T.) PROGRAM

Jesus Christ came to serve and not be served. He commands His followers to do the same. Therefore Christian service is integral to Catholic education, and successful completion of this program is a graduation requirement for all Central Catholic students.

The philosophy and mission of Central Catholic High School calls its students to give of themselves to others. This call to Christian service begins with our baptism, is sealed through the sacrament of confirmation, and is celebrated by our communion with the Church. By Christian service we mean students should be willing to offer their time and talent, freely and without compensation, beyond their immediate family (to whom they have responsibilities). Christian service is aimed at the benefit of the wider, human family: our brothers and sisters in Christ.

The program requirements extend through all four years of high school.

Freshman year	20 hours
Sophomore year	20 hours
Junior year	20 hours
Senior year	20 hours

The F.A.C.T. year runs from May 1 to April 30; therefore, hours must be completed by April 30. Underclassmen may begin accruing service hours for the next academic year beginning on May 1. Service hours must be completed outside of school hours, outside the student's family, and without compensation. Hours cannot be completed when a student is serving an out-of-school suspension. Hours completed before April 30 cannot be "carried over" from one year to the next.

## "FINE ARTS" CREDIT

All art, music, and drama courses offered at CCHS 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 special 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

The Honors Program is specially designed to meet the needs and abilities of the superior academic student. The objective of honors courses is to provide intensive background in the subject area in order to most effectively prepare students for college work. Honors courses obviously demand a great amount of study and work from the students, and because of the work involved, grades A, B, and C earn an extra point for the student's grade point average.

The Advanced Placement (A.P.) courses are special honors courses. These classes have been designed by a national organization of college instructors and high school teachers. They provide students with intensive college-level instruction. Students who successfully complete A.P. courses and pass the A.P. Exam given in May, could receive college credit for their work. Grades of A, B, and C, earn an extra grade point in the student's grade point average.

## COLLEGE PREP

The College Prep curriculum is designed to provide a solid background in the subject areas and to successfully prepare the student for post-secondary education. College Prep courses are structured to provide above average instruction and the workload reflects this design.

## STANDARD

The Standard curriculum is the general course of studies. Additionally, the level of study in this area is also designed to prepare a student for college work, but not in the intensive manner as the Honors and College Prep Programs. Courses are designed to provide a standard high school level of study, presenting solid instruction and learning.

## SPECIFIC LEARNING DISABILITIES (SLD)

Students with specific learning disabilities are scheduled into classes that meet their individual needs and the specific requirements of their IEP's. 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.

## GREY NUNS' PROJECT 100

Grey Nuns' Project 100 is a unique program designed to meet the needs of academically at-risk students who do not qualify for special education services. This program offers academic support in the areas of English, Math, and Science. Students in Project 100 receive support services in a co-teaching setting that provide more individualized instruction and assistance. Space is limited and specific requirements must be met before admission into this program. The Project 100 staff interviews all qualified applicants. The administration approves students selected for the program.

## LOURDES UNIVERSITY

The High School Scholars Program, a partnership with Lourdes University at CCHS is a program designed to provide introductory college-credit courses for advanced high school students. The program seeks to enhance the high school curriculum and encourage academic excellence.

Lourdes University appoints qualified CCHS instructors or provides us with a Lourdes instructor. These classes are available to any 11th or 12th grader who meets the Lourdes University criteria for enrollment.

**Seniors:** must have a cumulative GPA of 3.0, scored at least 19 on the ACT or 900 on the SAT and have a minimum high school GPA of 3.0 in the subject area being taken through Lourdes University.

**Juniors:** must have a cumulative GPA of 3.25, scored at least 19 on the ACT or 900 on the SAT and have a minimum high school GPA of 3.0 in the subject area being taken through Lourdes University.

To apply students must sign up for one of the classes below, then a Lourdes University application and registration form must be completed. Your high school transcript and required test scores should be sent from your high school guidance counselor.

Students will pay about \$75 per credit hour. Payment may be made at the time of application (before Sept. 1, 2013) or during the semester. Application fee for admission will be waived.

Course available for Lourdes University credit include:

- A.P. Literature/Composition (College Composition) - 3 credits
- Mathematical Concepts - 3 credits (seniors only)

## OWENS COMMUNITY COLLEGE

Owens Community College and Central Catholic High School have a partnership that allows sophomores, juniors, and seniors to enroll in Owens classes for dual college and high school credit on the campus of CCHS. There is no additional fee for this program.

**Requirements for acceptance as an Owens Community College Post-Secondary Option student are as follows: All application requirements must be met. Applicants must meet test requirements (Compass, ACT, or SAT). The student must also have a 3.0 or higher in the subject matter in which they are interested.**

Post Secondary Option classes are contingent upon state funding.

# RELIGIOUS STUDIES

## RELIGIOUS STUDIES 1

### 1012 College Prep

Year 1 credit Grade 9

Following the directives of the American bishops and the Toledo Diocese, CCHS implements the *Doctrinal Elements of a Curriculum Framework*. The first two semesters of the *Framework* are "The Revelation of Jesus Christ in Scripture" and "Who Is Jesus Christ?" In this introductory course to Christianity, the freshmen are using Revelation and Scripture to focus on Jesus in the Gospels, as well as his teaching and call to discipleship. The course also includes an explanation of the Creed.

## RELIGIOUS STUDIES 2

### 1021 Honors\*

### 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 his Son, Jesus Christ. The students learn what it means to live as a disciple of Jesus Christ. They then come to know the sacred nature of the Church and appreciate the Church as the living Body of Christ today. Finally, the students examine the sacraments in detail so as to learn how they may encounter Christ throughout life.

## RELIGIOUS STUDIES 3

### 1031 Honors\*

### 1032 College Prep

Year 1 credit Grade 11

Juniors continue the *Framework* with "Moral Living in Christ" and "The Call of Christ: On Christian Vocation." In the morality course the student learn the moral concepts and precepts that govern the lives of Christ's disciples. The second course is structured around the married, single, priestly, and consecrated lifestyles.

## RELIGIOUS STUDIES 4

### 1041 Honors\*

### 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 multi-cultural world.

**\* PRE-REQUISITES FOR ALL HONORS COURSES: Application, which includes a questionnaire and essay, teacher recommendation, an "A" average in previous religious studies classes, ability to write, advanced level of class participation, and responsibility for work outside of class.**

# ENGLISH

## ENGLISH DEPARTMENT

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\*

#### 3012 College Prep

#### 3013 Standard

Year 1 credit Grade 9

**\*Requirements: 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. Introductory library skills, research skills and MLA-style documentation are taught.

### AMERICAN LITERATURE/A.P. US HISTORY BLOCK

#### 3021 Honors

Year 1 credit Grade 10

**Requirements: Successful completion of 3011 Honors English I or 3012 college Prep English I; freshman English teacher referral necessary for both English and History.** "The Block" is a unique double period program taught by both an American Literature teacher and an American History teacher. The American Literature class emphasizes four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. Studied chronologically and in conjunction with the US History class, the literature examines the works of America's most famous writers. The students meet often for specially designed Block Meetings. Quarter and/or semester projects are required in both classes. Prior to entering this class, students are required to complete a summer project; this project is due on the first and second days of the school year. Students also review basic grammar/usage concepts, learn effective essay writing skills, research skills, MLA documentation and prepare for the OGT test. The US History class requires the mastery of historical and geographical facts. (see #5020 in the Social Studies section for further information.)

### COMPOSITION SKILLS/ AMERICAN LITERATURE

#### 3022 College Prep

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, learn effective essay writing skills, and prepare for the OGT test.

### ENGLISH 2

#### 3023 Standard

Year 1 credit Grade 10

**Requirements: Successful completion of English 1.** This course focuses on four areas: reading, writing, speaking and listening and language. Students will continue to build the core skills of vocabulary, grammar, usage, composition, and literature. Composition will further develop the essay and other forms of writing. Literature includes more advanced study of American Literature, informational texts, drama and poetry. OGT preparation is studied.

### A.P. LITERATURE AND COMPOSITION

#### 3030 Honors

Year 1 credit Grade 11

**Requirements: Successful completion of 3021 American literature/ History Block.** A summer reading project precedes this course, due three days after school begins. 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 the terms and concepts of literary criticism. 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 \$90.)**

**COLLEGE CREDIT OPTION: Honor juniors have the option of applying for 3 credits from Lourdes University. Application is to be made at the time of registration. Extra fee of \$75 per credit hour. See General Information.**

### COMPOSITION SKILLS/BRITISH LITERATURE

#### 3032 College Prep

Year 1 credit Grades 11, 12

**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.

### ENGLISH 3

#### 3033 Standard

Year 1 credit Grade 11

**Requirements: Successful completion of English 2.** This course focuses on four areas: reading, writing, speaking and listening and language. Composition study will focus on the development of effective well-written paragraphs, and later the literary essay. American literature will be studied through fiction, informational texts, drama and poetry. Basic library skills include print and Internet research, a research paper, and MLA-style documentation. Passing this course requires the successful completion of a research paper.

### A.P. LANGUAGE AND COMPOSITION

#### 3040 Honors

Year 1 credit Grade 12

**Requirements: Successful completion of 3030 A.P. literature and composition. A summer reading project precedes this course, due three days after school begins.** 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. **Students are required to take the A.P. exam at the end of this course (with an added expense of \$90.)**



## SENIOR ENGLISH SEMINAR

### 3042 College Prep

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, hand-outs, and on-line study will be the sources for this course.

## ENGLISH 4

### 3043 Standard

Year 1 credit Grade 12

**Requirement: Successful completion of 3033 English 3.** English four will expose students to literature and composition instruction necessary for success with college level English coursework. This course focuses on four areas: reading, writing, speaking and listening and language. Literature study will emphasize fiction, informational texts, drama and poetry. British literature will be studied. Vocabulary, grammar and mechanics, and manuscript style are also components of this course.

## CREATIVE WRITING

### 3803 College Prep

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.

## YEARBOOK

### 3813

Year 1 credit Grades 11, 12

**Requirements: Grade of "B" or better in English, teacher recommendation, approval of Yearbook teacher.** This class, in the process of publishing the school yearbook, focuses on the development of journalistic techniques required to produce a timely, creative record of the school year. BEFORE AND/OR AFTER SCHOOL WORK MAY BE REQUIRED. Keyboarding skills are beneficial because much of the work is done on a Macintosh computer. Because this course is an elective, it is taken in addition to a regular English class (NOTE: Class size is limited).

## DRAMA

### 3883

Year 1 credit Grades 10, 11, 12

**Requirements:** This course serves as an introduction to the theatrical experience. Students will study theater history, dramatic literature, performance, directorial techniques, and the technical aspects of theater. Students may not repeat this class.

## INTRODUCTION TO BROADCASTING

### 3874

Semester 1/2 credit Grades 11, 12

This semester class will help students to communicate to the masses in both spoken and written forms using proven broadcasting and production techniques and procedures. Class will be hands-on. Students will learn to research, prepare, write, produce and deliver communications for radio and television broadcasts. Students will leave with a finished produced piece in either news or sports that can be used as resume material for later university work. A final unit on advertising and its relationship to broadcasting will be included.

## SPEECH

### 3843

Semester 1/2 credit All Grades

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

## DEBATE

### 3853

Semester 1/2 credit All Grades

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.

## NEWSPAPER (The Centric)

### 3863

Year 1 credit Grades 10, 11, 12

**Requirements:** Permission of teacher. This class will cover elements of producing the school newspaper. It will emphasize the responsibility of the press, planning, interviewing, gathering information, news writing, editorials, features, photography, layout, and style. Students will be responsible for publishing The Centric, Central Catholic's student newspaper. SOME AFTER SCHOOL WORK IS REQUIRED. Attention to detail is a must.

# ENGLISH CURRICULUM

	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS	ELECTIVES	
<b>HONORS</b>	3011 English 1	3021 American Lit./ US History	3030 A.P. Lit. & Comp.	3040 A.P. Lang. & Comp.	3803 Creative Writing 3813 Yearbook 3883 Drama	3843 Speech 3853 Debate 3863 Newspaper 3874 Broadcasting
<b>COLLEGE PREP</b>	3012 English 1	3022 Comp./American Lit.	3032 Comp./Brit. Lit.	3042 Sr. English Seminar		
<b>STANDARD</b>	3013 English 1	3023 English 2	3033 English 3	3043 English 4		

# MATH

In the following math course descriptions where two or more 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.

The following courses require a scientific calculator (TI30X-IIS): Algebra Concepts, Algebra 1, and Geometry. All Integrated Math, Algebra 2, Pre-Calculus, Mathematical Concepts, and A.P. Calculus require a TI-83+ or TI-84/84+ graphing calculator.

## INTEGRATED MATH 1

**6011 Honors**

**6012 College Prep**

Year 1 credit Grades 9, 10

**Requirements: Current Students: Successful completion of Algebra Concepts and teacher recommendation. Incoming freshmen: Appropriate scores on the High School Placement Test and average to above average grades in junior high school math.** This course interweaves both Algebra and Geometry with other math topics including statistics, probability, and discrete mathematics. (TI) Texas Instrument graphing calculator required.

## INTEGRATED MATH 2

**6021 Honors**

**6022 College Prep**

Year 1 credit Grades 9, 10, 11

**Requirements: Current Students: 6021: Successful completion of Integrated Math 1 (6011) or Integrated Math I (6012) and teacher recommendation. 6022: Successful completion of Integrated Math 1 (6012) and teacher recommendation.** Incoming freshmen: Appropriate score on the High School and Algebra Placement Tests, above average grade of Algebra 1 or Integrated Math in the 8th grade, teacher recommendation, and completion of student preparation packet. This is the second year of the three year integrated math series which interweaves both Algebra and Geometry along with other math topics. Topics taught include quadratic equations, linear systems, complex numbers, similar and congruent figures, geometric proofs, coordinate and transformational geometry, statistics, probability, logical reasoning, and discrete mathematics. (TI) Texas Instrument graphing calculator required.

## INTEGRATED MATH 3

**6031 Honors**

**6032 College Prep**

Year 1 credit Grades 10, 11, 12

**Requirements: 6031: Successful completion of Integrated Math H(6021) or Integrated Math 2 (6022) with teacher recommendation. 6032: Successful completion of Integrated Math 2 (6022) and teacher recommendation.**

This is the final year of the three year integrated math series which interweaves both Algebra and Geometry along with other math topics. 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 CONCEPTS

**6003 Standard**

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.

## ALGEBRA 1

**6013 Standard**

Year 1 credit Grades 9, 10, 11

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

## GEOMETRY

**6023 Standard**

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Algebra 1 or Integrated Math 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 scientific calculator required.

## ALGEBRA 2

**6033 Standard**

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Geometry or Integrated Math 2 and teacher recommendation.** This course strengthens and extends Algebra 1 concepts. It also includes an introduction to complex numbers, logarithms, determinants, and polynomial equations. Students learn to use the graphing calculator to supplement their paper and pencil skills. Deductive thinking and problem solving skills developed in Geometry are essential for success in Algebra 2. (TI) Texas Instrument graphing calculator required.

## PRE-CALCULUS

**6041 Honors**

**6042 College Prep**

Year 1 credit Grades 11, 12

**Requirements: 6041: Successful completion of Integrated Math 3 H(6031) or Integrated Math 3 (6032) with teacher recommendation. 6042: Successful completion of Integrated Math 3 (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 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 \$90.)**

## LOURDES UNIVERSITY CREDIT OPTION: MATHEMATICAL CONCEPTS

### 6043 College Prep / Standard

Year 1 credit (3 college credits) Grade 12

**Requirements: Successful completion of Algebra 2 or Integrated Math 3 (6032) 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.

**College Credit Option: Students have the option of applying for three credits from Lourdes University. See General Information.**

## MATH CURRICULUM

	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
<b>HONORS</b>	6021 Integrated 2 6011 Integrated 1	6031 Integrated 3 6021 Integrated 2	6041 Pre-Calculus 6031 Integrated 3	6040 A.P. Calculus 6041 Pre-Calculus
<b>COLLEGE PREP</b>	6012 Integrated 1	6022 Integrated 2	6032 Integrated 3	6042 Pre-Calculus 6043 Math Concepts
<b>STANDARD</b>	6013 Algebra 1 6003 Algebra Concepts	6023 Geometry 6013 Algebra 1	6033 Algebra 2 6023 Geometry	6042 Pre-Calculus 6043 Math Concepts 6033 Algebra 2

## 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.

### PHYSICAL SCIENCE

#### 8002 College Prep

#### 8003 Standard

Year 1 credit Grade 9

**Requirements: Appropriate placement scores.** An introductory freshman course that provides a foundation for further study in the sciences. Topics include: forms of energy, principles of chemistry and physics, earth science, and astronomy. Throughout the course, the use of the scientific method and measurements is emphasized. Basic lab skills are taught and implemented in each unit.

**BIOLOGY:** All 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.

### BIOLOGY

#### 8011 Honors

Year 1 credit Grade 9, 10

**Requirements: Appropriate placement scores and teacher recommendation.** Course #8011 is the foundation of the science honors program; a research project and participation in CCHS "Science Expo" are required.

### BIOLOGY

#### 8012 College Prep

Year 1 credit Grades 9, 10

#### 8013 Standard

Year 1 credit Grade 10

**Requirements: 8012: Appropriate placement scores and teacher recommendation. 8013: Successful completion of appropriate freshman science course.**

### A.P. BIOLOGY

#### 8010 Honors

Year 1 credit Grades 11, 12

**Requirements: A "B" average in Honors Biology (or an "A" average in College Prep Biology), or a "B" in Honors Chemistry and Teacher recommendation.** 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. We 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 added expense of \$90.)

### CHEMISTRY

#### 8031 Honors

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of honors Biology and Algebra I or Integrated Math I, and 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. Two long term projects (one individually and one as part of a group) are required. Participation in a science fair is also required.



## CHEMISTRY

### 8032 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology (8011 or 8012 is recommended) & Algebra I or Integrated Math I.** College Prep Chemistry is a lab course for students considering a science related career. The emphasis will be placed on 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.

## CHEMISTRY

### 8033 Standard

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Biology (8012 or 8013 is recommended) & Algebra I or Integrated Math I.** This lab course develops the theories of chemistry and seeks to make them concrete through laboratory experiences and applications to daily life. Specifically, the course concentrates on the metric system, the structure of atoms, mole concept, naming compounds, balancing equations, and molarity problems. Properties of acids and bases, organic chemistry, and nomenclature are introduced. A proficiency in solving equations is expected. Scientific calculators and hooded lab goggles are required. THIS CLASS DOES PREPARE THE STUDENT FOR AN INTRODUCTORY COLLEGE CHEMISTRY CLASS.

## 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 \$90.)

**PHYSICS:** Physics is a survey course studying Newton's laws of motion, laws of force, heat, light, electricity and sound. Nuclear Physics is introduced. An intricate part of the course will be an emphasis on raising the student's awareness of the importance of Physics by examples of everyday living and the technology of applied physics. Lab periods enrich and seek answers to problems in these fields.

## PHYSICS

### 8041 Honors

Year 1 credit Grades 11, 12

**Requirements: Grade of "B" or higher in Chemistry, 8031; strong Algebra 2 and Trigonometry skills.** This course uses a College text and is problem based. It requires good critical thinking skills. It is meant for the student who is strongly contemplating an engineering or a science career. Participation in a science fair is required along with a research paper.

## 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 Honors Physics course. It is a mathematical approach to Physics. Some long term group projects are required. Participation in a science fair is encouraged.

## ANATOMY AND PHYSIOLOGY

### 8021 Honors

### 8022 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Grade of "B" or higher in Biology or teacher recommendation.** This lab course is recommended for students interested in health related careers. It includes an in-depth examination of the structures and functions of the various organ systems comprising the human body. A detailed dissection, including the extensive long-term dissection of a cat, is an integral part of the course. Course 8021 requires the completion of an individual research project.

## ANATOMY AND PHYSIOLOGY

### 8023 Standard

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Biology.** This lab course is designed for students interested in a serious study of the human body's structure and function. It presents a systematic survey of the organ systems of the human body. The use of diagrams, charts, and DVD's supplement textbook material. Also, a cat is dissected in the class.

## ENVIRONMENTAL SCIENCE

### 8133 Standard

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Biology.** The 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.

# SCIENCE CURRICULUM

	FRESHMEN	SOPHOMORES	JUNIORS & SENIORS
HONORS	8011 Biology	8021 Anatomy & Physiology 8031 Chemistry 8010 A.P. Biology 8011 Biology 8041 Physics (with Math req.)	8031 Chemistry 8041 Physics 8021 Anatomy & Physiology 8010 A.P. Biology 8030 A.P. Chemistry
COLLEGE PREP	8012 Biology 8002 Physical Science	8022 Anatomy & Physiology 8032 Chemistry 8012 Biology	8032 Chemistry 8042 Physics 8022 Anatomy & Physiology
STANDARD	8003 Physical Science	8013 Biology	8033 Chemistry 8023 Anatomy & Physiology 8133 Environmental Science

# HEALTH/PHYSICAL EDUCATION

## HEALTH

**9013**

Semester 1/2 credit Grades 9, 10

Health classes study numerous topics using a “wellness” approach: systems of the body (circulatory, respiratory, muscular, digestive, reproductive), responsible decision making, personality, mental illness, suicide, smoking, sexually transmitted diseases, nutrition, alcohol, drug addiction, and first aid.

## EXERCISE, PHYSIOLOGY & NUTRITION

**9133**

Semester 1/2 credit Grades 10, 11, 12

**Requirement: Successful completion of 9001-9002 Physical Education.**

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. Students are taught basic skills and rules through participation in hope that this will have a carry over effect beyond the P.E. classroom. P.E. provides students with opportunities for improving physical fitness. The State Champion Physical Fitness Award Program is used as an incentive to promote improvement in total fitness. Students are provided with great facilities: weight room, indoor and outdoor track, two gymnasiums, softball diamond, and a football/soccer fields. The sports offered are soccer, volleyball, football, basketball, indoor hockey, softball, weight training, and a special emphasis on physical fitness.

## \*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, wrestling, weight training, and continued emphasis on physical fitness.

\* Beginning with the students in the class of 2011; Physical Education may be substituted for other credits if the student participates in two seasons of CCHS sports, marching band, cheerleading and some club sports, and should be fulfilled by the end of the student's sophomore year.

# SOCIAL STUDIES

## WORLD STUDIES

**5012 College Prep**

**5013 Standard**

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/LITERATURE BLOCK

**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 \$90.)

## AMERICAN HISTORY

**5022 College Prep**

**5023 Standard**

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 ad 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 Grade 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 \$90.)

## AMERICAN GOVERNMENT

### 5042 College Prep

#### 5043 Standard

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 unit as required by the state.

## SOCIOLOGY

### 5143 Standard

Semester 1/2 credit Grades 11, 12

Sociology studies the individual's relationship with groups and the group's influence on the development of the individual's self-concept, beliefs, behavior, and abilities. It also investigates class structure, social movements, social institutions, and such modern problems as discrimination, environmental deterioration, poverty, and urban decay.

## 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.

## CONTEMPORARY AMERICAN HISTORY

### 5232 College Prep

Semester 1/2 credit Grades 11, 12

This course presents a view of American history from the end of World War II to the present administration. Topics include, but are not limited to: the Vietnam War, civil rights, Latin America, the "Cold War" and Watergate. Students will have the opportunity for a more in-depth study of recent America.

## 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. (Note: Students may not take both Intro (5142) and A.P. Psychology.)

## 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 \$90.)

# MUSIC

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

## 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 C.C.H.S. 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 pre-requisite.)** 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 CCHS's vocal groups to qualify for honors credit. This honors credit does not fulfill the requirement for the honors diploma. Class credit applies to both singers and student accompanists.

## GOSPEL CHOIR

7722  
Year 1 credit All Grades

Gospel Choir is open to all voices who wish to sing in a performing group, increase their musical knowledge, and be a part of a music ministry. Students learn basic choral skills, vocal techniques, and dynamics. This class is an intense performing group presenting several concerts throughout the year.

## 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.

## BEGINNING STRING ORCHESTRA

7103  
Year 1 credit All Grades

This course is for students who would like to learn a string instrument. Instruments would be rented from a local music dealer. Instruction would include technique and basic musicianship as well as care of the instrument. Performances would be required during the school year.

## INTERMEDIATE STRING ORCHESTRA

7122  
Year 1 credit All Grades

**Requirements: Permission of instructor.** This course would follow the beginning string course. It is for the serious student who wishes to further their knowledge in their musical instrument. Students may or may not have access to a private instructor. All students will participate in the OMEA Solo and Ensemble Contest. Performances during the school year are required, and some practices will be held after school. Further musicianship, bowing, positions and intonation will be reinforced.

## STRING ENSEMBLE

7743  
Year 1 credit All Grades

**Requirements: Permission of instructor.** This course is for the more advanced string student. Students in this class are required to study privately and currently all members study with a professional instructor. Students are also required to practice an additional hour each day outside of school, and play in the pit orchestra of the Spring musical. Performing both a solo and as part of an ensemble for OMEA Solo and Ensemble Contest held each year for area high school students is another requirement. Students are required to arrange a piece of music from a piano score. This music is then performed by the ensemble or by the intermediate string students. Students skills are tested by both playing and written tests throughout.

## DANCE I

7823  
Semester 1/2 credit All Grades

Students will learn the basic steps in ballet, jazz and tap with an introduction to "Hip Hop" and modern dance. This course includes basic theory, dance history and dance vocabulary. Students are required to have the appropriate dance attire (girls dress in a leotard and tights and boys in a pair of gym shorts and a tee shirt). Ballet slippers and tap shoes are also required (an additional cost of about \$70). 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 Introduction to Dance I. Students with previous dance experience can enroll in this course without taking Dance I. Ballet, jazz and tap 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 clothes and shoes (an additional cost of about \$70). 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 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 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, pen & ink, oil pastels, collage and mixed media. Students will also be introduced to digital photography and Adobe PhotoShop.

## GRAPHICS

9222

Year 1 credit Grades 10, 11, 12

**Requirements:** At least a B average in Art Fundamentals, instructor approval and a digital camera. This class explores the elements and principles of design as applied to fine art applications in computer graphics. During the first semester, students will learn photo editing, image adjustments, and simulated artistic mediums. The second semester will focus on creating 3D wireframe models, extruding, multi-resolution mesh modeling, rotoscoping, and digital animation (rigging, skinning, and keyframe animation). Adobe Photoshop, Corel Painter, and Blender will be used. Space is limited.

## ADVANCED ART

9041 Honors

Year 1 credit Grade 12

**Requirements:** Art Fundamentals and two of the following courses: Drawing & Painting, Design, Graphics, Ceramics & Sculpture. Ceramics is recommended but not mandatory. A portfolio review and interview is mandatory for acceptance. Portfolios must have a minimum of ten works of art. This is a course for the serious art student who has maintained a G.P.A. of 3.0 or higher in their art classes. Individual development is enhanced by independent study combined with structured studio projects. Portfolio development for post-high school study is emphasized.

# BUSINESS & INFORMATION TECHNOLOGY

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

## ACCOUNTING 1

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 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.

## COMPUTER AIDED DESIGN (CAD)

2032 College Prep

Year 1 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.



## INTERACTIVE MULTIMEDIA

### 2132 College Prep

Year 1 credit Grades 10, 11, 12

This course offers an introduction to video production. Students will learn how to capture full motion images, learn various editing techniques and incorporate them into professional editing programs such as Final Cut Pro. Students will also learn how to write, direct, and produce original videos. Internet access is required for this course. A Macintosh platform will be used. Work, such as videotaping outside of class time is required.

## PROGRAMMING I

### 2012 College Prep

Year 1 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.

## PROGRAMMING II

### 2122 College Prep

Year 1 credit Grades 10, 11, 12

**Requirements: Successful completion of Programming 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.

## OWENS COMMUNITY COLLEGE CREDIT OPTION: ADVANCED PROGRAMMING

### 2299 College Prep

Year 1 credit (8 college credits) Grades 11, 12

**Requirements: Successful completion of Programming I and II.** This course will cover Programming Logic, Introduction to VB.Net and Introduction to Java. This course is dual enrollment at CCHS and Owens Community College, and is taught entirely on-line by an OCC instructor and assisted by a CCHS instructor.

## MEDIA TECHNOLOGY

### 2042 College Prep

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Interactive Multimedia and approval of instructor.** This course introduces the student to advanced video production, directing, and editing in a live media environment. The school's daily Irish News Network is the format used for these experiences. Students will continue to write, direct, and produce original videos. Work is required outside of class, as students are responsible for setup, running, and breakdown of in-school and after-school events. Enrollment is limited and requires the approval of the "Interactive Multimedia" instructor. Students should choose an alternate class.

## INFORMATION TECHNOLOGY SUPPORT I

### 2043 College Prep

Semester 1/2 credit Grades 11, 12

**Requirements: Approval of Director of Technology.** This course will provide students with skill that will enable them to support deployments of computers, printers, and networking equipment. Skills that they will master include: IP networking, client/server configuration, wired and wireless network design, configuration and troubleshooting, computer hardware configuration, troubleshooting and repair, computer software configuration and troubleshooting, IP printer/print servers configuration and troubleshooting, website maintenance, and video/audio systems design and integration. Independent research will be required, and students need special permission to take this class. Students wishing to take this more than once, need permission from their counselor.

# 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 the introduction of Hispanic culture including holiday customs.

## 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 also part of the course.

## A.P. SPANISH LANGUAGE AND CULTURE

### 4050 Honors

Year 1 credit Grades 11, 12

**Requirements: A "B" or higher in Spanish 3 and 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 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 \$90.)

## 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.

## 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 life-styles of the culture and life-style of the French people is pursued.

## A.P. FRENCH LANGUAGE AND CULTURE

### 4150 Honors

Year 1 credit Grades 11, 12

**Requirements: A “B” or higher in French 3 and 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 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 \$90.)

## LATIN 3

### 4331 Honors

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Latin 2.** This course presents a review of Latin grammar and vocabulary, with the more complex constructions. Then begins a study of Rome at the time of Cicero and his life. The various orations of Cicero and his other writings are studied, plus a survey of Latin literature from earliest times until the present, including speeches of Abraham Lincoln and John F. Kennedy. The students will complete a project from one of the four gospels.

## CHINESE 1

### 4511 College Prep

Year 1 credit Grade 9, 10, 11, 12

**Requirements: At least a C average in Language Arts.** This beginner-level course is designed to teach American high school students Chinese language and culture. Through learning Chinese characters, Pinyin, and Chinese history and social customs, students will become familiar with Chinese language and culture in general, and stimulate their interests in exploring the splendid Chinese heritage and discovering dynamics of the modern Chinese society. By the end of the course, students will be able to speak basic Chinese, and know how to greet Chinese people, how to introduce family members to Chinese friends, how to express their likes and dislikes of food in Chinese. This is not for students pursuing an honors diploma. Chinese II is scheduled to be offered next school year.

## CHINESE 2

### 4521 College Prep

Year 1 credit Grade 10, 11, 12

**Requirements: Successful completion of Chinese 1.** This second year course is designed to teach American high school students Chinese language and culture. Through learning Chinese characters, Pinyin, and Chinese history and social customs, students will become familiar with Chinese language and culture in general, and stimulate their interests in exploring the splendid Chinese heritage and discovering dynamics of the modern Chinese society. By the end of the course, students will be able to speak basic Chinese, and know how to greet Chinese people, how to introduce family members to Chinese friends, how to express their likes and dislikes of food in Chinese. This is not for students pursuing an honors diploma.

## CHINESE 3

### 4531 Honors

Year 1 credit Grades 11, 12

**Requirements: Successful completion of Chinese 2.** This honors level course is designed to teach American high school students more sophisticated skills of listening, speaking and reading Chinese. An in-depth study of culture, language and lifestyles is pursued.

# 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 on-line 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.

### OHIO GRADUATION TESTS (OGT) / PARCC ASSESSMENTS

Central Catholic High School students must pass all state and federally mandated tests in order to graduate.

Remediation classes are offered at CCHS during the school year and during the summer. Students who have not yet passed these tests are required to take remediation classes.

### 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 Post Secondary Educational Options Program may 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:

1. 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.
2. 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, 2014. After April 15, 2014, there will be a fee of \$25.00 for any course changes requested by a student.

As of June 1, 2014 all course schedules for the next school year are **FINAL. NO COURSE CHANGES MAY BE MADE AFTER THIS DATE.**



**CENTRAL CATHOLIC  
HIGH SCHOOL**

One Faith. One Community. One Mission.

**The One™**

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