

CATHOLIC CENTRAL

HIGH SCHOOL



2019-2020

COURSE DESCRIPTION BOOK

Catholic Central High School Graduation Requirements

4.00 credits	Religion ¹
4.00 credits	English
4.00 credits	Mathematics
3.00 credits	Science
3.00 credits	Social Studies ²
2.00 credits	Foreign Language
1.00 credits	Fine Arts
0.50 credits	Health
0.50 credits	Physical Education ³
4.00 credits	Electives
26.00 credits	TOTAL

1. Students must take a religion course for every year they attend Catholic Central.
2. Econ/Financial Literacy is part of the CCHS graduation requirements.
3. Students can obtain a Physical Education waiver if they participate in two full seasons of an interscholastic sport and/or cheerleading per the Ohio Department of Education.

**These courses are given weighted value in calculating G.P.A.: Honors English I, Honors English II, English 1111, English 1112, Honors English III, English 2300, AP Literature & Composition, English 1600, Honors Biology, Honors Chemistry, Advanced Chemistry, AP Biology, CCP Engineering Foundations, Honors Pre-Calculus, Math 1280, Math 1340, AP Calculus AB, Math 2200, AP Calculus BC, Math 2220, Honors Spanish III, Spanish 1111, Honors Spanish IV, Honors Spanish V, Spanish 1112*

Class standing: Class standing shall be determined prior to the beginning of each school year with the total credits not being less than the following:

Freshman	8 th Grade Certificate
Sophomore	6.75 Credits
Junior	13.50 Credits
Senior	20.00 Credits

Common Ohio College/University Requirements

4.00 credits	English
4.00 credits	Mathematics
3.00 credits	Science
3.00 credits	Social Studies
1.00 credits	Fine Arts

ADVANCED PLACEMENT INFORMATION

What is Advanced Placement?

Advanced Placement (AP) classes are college level classes taught during high school. The College Board designates the classes and monitors the syllabus and class plan for each class. Every May, a carefully supervised, very difficult Advanced Placement Exam is given for each class.

Why take an AP class?

1. It is good to have the challenge of the class. It enhances and strengthens the student's education.
2. It helps prepare the student for college classes.
3. It may enable the student to receive college credit.
4. It makes a stronger transcript.

Is an AP class more difficult than a regular class?

ABSOLUTELY! The level of work will be more rigorous with more reading and writing required.

What AP classes are offered at Catholic Central?

Juniors Computer Science Principles, Calculus AB
Seniors Biology, Computer Science Principles,
 Calculus AB, Calculus BC, English Literature and Composition
- AP Biology classes are two periods per day to allow for labs.

How are Advanced Placement Exams scored?

AP tests are given a score from 1-5. Colleges generally give credit for scores of 3 and above. Whether college credit is given is completely up to the college and varies from college to college. For example, one college may give credit for a 3 or above, another for a 4 or above, and yet another may require a 5. Many college websites will tell you what score is required for credit.

Is a student taking an AP class required to take the Exam?

Yes, Catholic Central requires each AP student to take the test (as do most schools).

What is the financial cost of taking an AP class?

The cost of an AP exam is about \$94 (the cost this year) and is paid for by the parents.

How does a student sign up for an AP class?

Students complete their Course Selection Form with Mrs. Niekamp when scheduling for next school year. An AP class cannot be dropped.

AP Offerings and Expectations 2019- 2020

Course	Pre-Reqs	Minimum cum. GPA	Teacher Recommendation ?	Summer expectations	Winter Term Expectations	Daily Reading/ Writing Expectations
AP Biology	87% or better in Biology and Chemistry. Anatomy and Physiology is HIGHLY recommended	3.25	From current science teacher	Students are expected to read and complete online assignments for review chapters. A test over these chapters is given during the first week of school.	Students are expected to read and complete online assignments weekly.	30-60 minutes/day outside of class to read, review or complete assignments
AP Calculus AB	85% or better in Honors Pre-Calculus	3.25	From current math teacher	Summer review assignment required		1 hour/day outside of class, average time spent daily for assignments
AP Calculus BC	AP Calculus AB	3.25	From current math teacher			45 minutes/day outside of class, average time spent daily for assignments
AP English Literature and Composition	93% cumulative average in previous 3 years of English	3.25	From current English teacher	Students will read several novels over the summer and will be tested over those novels at the beginning of the next school year.		Depending on the text we are reading, students can expect to read anywhere from 50-70 pgs. /night. There will be weekly timed writing assignments and frequent essays.

	Pre-Reqs	Minimum cum. GPA	Teacher Recommendation?	Summer expectations	Winter Term expectations	Daily Reading/ Writing Expectations
AP Computer Science Principles	None	None	None		2nd half of AP CSP will be offered EITHER during 3rd/4th quarter OR during Winter Term, depending on teacher availability.	Most work will be completed in class. Studying for tests or working on projects may require time outside of class. **

**** If the second semester is finished during winter term, students will have various meetings outside of class during final semester to study for the written exam**

ALL AP students are required to take the AP exam in the spring. The cost for the 2019 exam is \$94.

College Credit Plus (CCP)

College Credit Plus allows college ready students to earn high school and college credit at the same time by taking college level courses during high school. Participating in CCP classes provides a rigorous academic course load which will challenge a student and enable him/her to see first-hand what is expected from college level academics.

Who may participate?

- 7th -12th graders who meet the individual college's CCP admission guidelines may participate. A student must meet college eligibility based upon each college's requirements. For example, at Clark State, a student must gain acceptance and pass the ACCUPLACER Placement test or have the required ACT score to participate.
- **Students and parents must meet all deadlines with paperwork or online forms to be eligible.**

Are you ready for a CCP course?

- Do I complete and turn in ALL my school work/homework WITHOUT reminders from my parents or teachers?
- Am I self-motivated to work hard and do my best?
- Do I manage my time wisely?
- Am I organized?
- Am I responsible and dependable with my class attendance AND when turning in assignments and projects?
- Am I willing to take the initiative to ask the teacher for help if I need it?
- Am I willing to be disciplined and put 1- 1 ½ hours of weekly studying for every 1 credit of college class in addition to my CCHS studies? (3 credit hour class = 3-4 ½ hours a week)
- Do I earn mostly A's and B's in my current classes?

Which courses are considered College Credit Plus (CCP)?

- **Catholic Central's classes:** Pre-Calculus, Honors Pre-Calculus, and AP Calculus AB & BC; Honors English II, III and AP English Literature and Composition; Honors Spanish III, IV, & V; and Engineering Foundations (through Univ. of Cincinnati offered every other year)
- **Online** classes through the CCP college
- **On Campus** classes at the CCP university

How will CCP affect my high school grades and transcript?

- A CCP class earns a weighted grade like CCHS Advanced Placement classes and Honors classes. For example, if a student earns an 86% in a weighted class, the point value would be a 3.67 instead of a non-weighted point value of 2.67.

- Under CCP, College level classes will earn the following Carnegie Unit (high school credit):
3-5 credit hours will earn you 1 high school credit
2 credit hour class = 2/3 of high school credit
1 credit hour class = 1/3 high school credit
- If a student participates in CCP, they still need to fulfill all of Catholic Central's graduation requirements.
- All CCP classes will be listed on one's Catholic Central transcript. All CCP grades are figured into one's high school GPA.
- If a student fails a CCP class or withdraws with an "F" or a "WF", the "F" will appear on one's high school transcript and will be computed into the high school and college GPA.
- Taking CCP classes begins a student's COLLEGE transcript. Do your best work!

Will my CCP credit transfer to the college I attend after high school?

For most CCP classes, a receiving Ohio college will accept the credit. However, it is always up to the receiving institution (especially private colleges or out-of-state colleges) to evaluate whether your CCP class credits will be accepted.

Use the following websites to help determine if your credits will transfer:

<https://transfercredit.ohio.gov>

<https://transferology.com>

What are my next steps?

1. Sign the *Letter of Intent to Participate in College Credit Plus for Non Public Students* and the *Statement of Responsibility* and **return them to Mrs. Niekamp by April 1, 2019.**

**** Mrs. Niekamp will turn in all Letters of Intent to the Ohio Department of Education****

2. Students and families should contact colleges for information, application forms, and acceptance criteria regarding CCP.
3. Apply to the college of your choice and gain acceptance. Take placement test/ assessment exam.
4. Visit <https://safe.ode.state.oh.us/portal> Complete the CCP application for funding by creating a SAFE account (in the parent's name) through the Ohio Department of Education by the deadline (February 15-April 12, 2018).

*Catholic Central's College Credit plus (CCP) policy is evolving as new information is gathered.

High School Course Descriptions

BUSINESS DEPARTMENT

Grade 11	Grade 12
Accounting I	Accounting I or II
Introduction to Business	Introduction to Business

Introduction to Business

Credit: 1.00

Term: Year

Grades 11-12

Introduction to Business provides an introduction to the business world and helps students to understand their economic environment. It is an ideal course for both those who are considering business as a vocational field and those who wish to acquaint themselves with the economic activity in the United States.

Accounting I

Credit: 1.00

Term: Year

Grades 11-12

Accounting I is intended for students interested in a vocation **either in the field of business administration or in the field of accounting**. The course deals with the basic principles of accounting and the entire accounting cycle for both sole proprietorships and for merchandising entities.

Accounting II

Credit: 1.00

Term: Year

Grade 11-12

PREREQUISITE: Accounting I

This course is designed for senior students **who plan to major in business administration or accounting in college** or who intend to go into the accounting field. Included in the topics of this course will be accruals and deferrals, payroll accounting, depreciation and depletion, and the different methods of accounting used in business.

COMPUTER SCIENCE

9th Grade	10th Grade	11th Grade	12th Grade
CSD 1 (Winter Term)	CSD 1 (Winter Term)	CSD 2 (semester)	Intro to CSP (semester)
	CSD 2 (semester)	Intro to CSP (semester)	AP CSP (year)
		AP CSP (year)	

Intro to Computer Science Principles (Semester 1 of 2019-2020)

Prerequisite: None

Length: 1 semester

Credit 0.5

Grades: 11, 12

In this Computer Science Principles semester course students will dive into the history of the internet, digital information, intro to programming, and big data/privacy (Units 1-4 from code.org).

Unit 1: The Internet-The unit then explores the structure and design of the internet and the implications of those design decisions.

Unit 2: Digital Information-This unit further explores the ways that digital information is encoded, represented and manipulated.

Unit 3: Intro to programming-This unit introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps using Javascript.

Unit 4: Big Data/Privacy-The goals of this unit are to develop a well-rounded and balanced view about data in the world, including the positive and negative effects of it, and to understand the basics of how and why modern encryption works.

AP Computer Science Principles

Prerequisite: None

Length: year long

Credit 1.0

Grades: 11, 12

In this course students will dive into history of the internet, digital information, intro to programming, and big data/privacy (Unit 1-4 see Intro to CSP) in the first semester. In second semester students will learn the creative process behind building apps (Unit 5) where we will introduce the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps using Javascript. Students will work on the two performance tasks (Explore task and Create task)--worth 40% of the AP credit. Students will prep for the end of the year written AP exam--worth 60% of the total AP credit.

Computer Science Discoveries 2

Prerequisite: Computer Science Discoveries 1 (offered in Winter Term)

Length: 1 semester

Credit 0.50

Grades: 10, 11

This course continues the final 3 units in the CSD curriculum from code.org. By this point, students have already experienced programming as a means for creative expression and entertainment. Students will learn how to design app prototypes with the user in mind in The Design Process. The Data and Society unit is about the importance of data in solving problems and how computers can help with the process. In the final unit, Physical Computing, students further develop their programming skills while exploring more deeply the role of hardware platforms in computing.

Computer Science Discoveries 1 - Winter Term 2020

Grades: 9-10

Credit 0.50

CSD 1 is an introductory computer science course that empowers students to be creative. A mix of hands on and online activities will help students engage with computer science to strengthen their problem solving and communication in fun ways. Using curriculum and resources developed by code.org, students will create their own websites, interactive cards, and games using the coding languages HTML, CSS, and JavaScript.]

ENGLISH DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
English I, CP Genre Studies	English II, CP American Literature	English III, CP World Literature	English IV, CP British Lit & Comp
English I, Honors Genre Studies	English II, Honors American Literature	English III, Honors World Literature	AP English Lit & Comp

English I, Honors Genre Studies

Credit: 1.00

Term: Year

Grade: 9

Recommendation of current English Teacher

This course provides an in-depth study of the various types of literature, including non-fiction, short stories, poetry, novels, mythology, and drama. Part of the study includes written analysis of these various forms along with the creation of original stories, essays, and poems. Full-length works may include *Romeo and Juliet*, *And Then There Were None*, and *The Odyssey*. Students will also practice the writing of a multi-paragraph narrative and descriptive, expository, and persuasive essays on various topics of their choice. Revision and portfolio assessment will be emphasized throughout the year. Students will keep a writing folder together with a digital record of their writing on Google Classroom. **Summer reading is required.**

English I, College Prep Genre Studies

Credit: 1.00

Term: Year

Grade: 9

Recommendation of current English teacher

Students will learn a writing process that will help in composing narrative, descriptive, and expository paragraphs and essays. Grammar, usage, and mechanics, and literary terminology will be covered so that students learn to apply these concepts in their own writing. Throughout the year, students will read and discuss various forms of literature: the short story, the novel, the non-fiction essay, drama, and poetry. Full-length texts include *Romeo and Juliet* and *Jurassic Park*. Students will keep a writing folder together with a digital record of their writing on Google Classroom. **Summer reading is required.**

English II, Honors American Literature

Credit: 1.00

Term: Year

Grade 10

PREREQUISITE: English I Honors or recommendation of English I teacher

This course includes a chronological/thematic survey of American literature from colonial times to the modern era in all genres. Full-length works include *The Crucible* and *The Great Gatsby*. Students will build on the skills of the previous year in composing more developed multi-paragraph narratives and expository and persuasive essays. Students will also complete a research-based thematic unit. The goal is to integrate and constantly reinforce the learning of all language skills throughout the year. Correct grammar, usage, and mechanics are reinforced within the context of student writing while vocabulary development will take place within the context of the study of literature. Students will keep a writing folder together with a digital record of their writing on Google Classroom. Taking this course for CCP credit as English 1111 & English 1112 is an option. **Summer reading is required.**

English II, College Prep American Literature

Credit: 1.00

Term: Year

Grade 10

PREREQUISITE: English I

This course includes a chronological/thematic survey of American literature from colonial times to the modern era in all genres. Full-length works include *Of Mice and Men* and *The Great Gatsby*. Students will compose multi-paragraph narratives and expository and persuasive essays. The goal is to integrate and constantly reinforce the learning of all language skills throughout the year. Correct grammar, usage, and mechanics are reinforced within the context of student writing while vocabulary development will take place within the context of the study of literature. Students will keep a writing folder together with a digital record of their writing on Google Classroom. **Summer reading is required.**

English III, Honors World Literature

Credit: 1.00

Term: Year

Grade 11

PREREQUISITE: English I 93% cumulative average in English I and English II, cumulative overall GPA of 3.25, recommendation of current English teacher.

This course will be a rigorous study of literature from cultures and times spanning ancient Greece to modern America. Students should be skilled writers and critical readers and have the discipline, responsibility, and concentration to grasp complex ideas, perform independent research, analyze, evaluate, and express themselves. This course will require additional reading and more extensive writing to prepare students for AP English Literature & Composition in their senior year. Sample texts may include: *The Stranger* (Camus), *Macbeth* (Shakespeare), and *Things Fall Apart* (Achebe) as well as a unit on Poetry. This course includes a significant research project. Students will keep a writing folder together with a digital record of their writing on Google Classroom. Taking this course for CCP credit as ENGLISH 2300 is an option. **Extensive summer reading and written expression is required.**

English III, College Prep World Literature

Credit: 1.00

Term: Year

Grade 11

PREREQUISITE: English I and II

The course builds on students' skills in grammar, paragraph composition, and standard types and forms of writing. Rhetorical structures and argumentation are highlighted, and a complete understanding of essay construction is a major focus for the course. Writing skills are refined through, essays, summaries, and timed writing assignments. Students will read, study, and analyze world literature while improving their comprehension by using critical perspectives discussed in class and using their own perspectives to come to original conclusions about the work we read. Students will examine the history and legacy of texts such as, *Oedipus Rex*, and *Macbeth*. Students will keep a writing folder together with a digital record of their writing on Google Classroom. **Summer reading is required.**

English IV, College Prep British Literature and Composition

Credit: 1.00

Term: Year

Grade 12

PREREQUISITE: English I, II, and III

The course provides students with the opportunity to further improve reading and writing skills in preparation for higher education as well as to explore various methods of composition development. Students will learn and practice expository and rhetorical prose. Research, revision and good editing practices will be stressed. Peer critiquing will be developed and used as part of the writing process. Students will develop and improve comprehension and analytical skills through reading works by a variety of British writers. Students will study a number of literary genres and will learn the characteristics of each. To demonstrate skill development, students will write compositions of summary, analysis, comparison and contrast, and others. Topics of interest will be researched and developed into research papers. This course requires the completion of a senior research project. Students will keep a writing folder together with a digital record of their writing on Google Classroom. **Summer reading is required.**

Advanced Placement (AP) English Literature and Composition

Credit: 1.00

Term: Year

Grade 12

PREREQUISITE: English I, English II, Honors English III, 87% cumulative average in English I, English II and Honors English III, cumulative overall GPA of 3.25, recommendation of current English teacher.

This is an Advanced Placement course, which is provided for the student who intends to take a rigorous, college level class during his/her senior year. Students will read critically and analytically from a wide range of literary works: poetry, prose, and plays. Sample texts include *Hamlet* (Shakespeare), *A Thousand Acres* (Smiley), *Tess of the d'Urbervilles* (Hardy), and *Love and Summer* (Trevor). Students will be taught how to read closely for detail as well as for literary devices and structures. Students will be expected to respond to their reading with thoughtful inquiry, sharing their responses in an atmosphere of open exploration and alternative interpretation. Writing about literature is a particular focus, both in formal and impromptu essays. Students can expect to spend 45 minutes reading daily outside of class. Students will also keep a writing folder together with a digital record of their writing on Google Classroom. **Taking the AP English Literature and Composition Exam in the spring is mandatory.**

There is a cost for taking the exam. Summer reading and an essay are required. Advanced Placement students may be asked to purchase several books so they can have their own copies for highlighting, note taking, reference, etc. Taking this course for CCP credit as ENGLISH 1600 is an option.

Public Speaking

Credit: .50

Term: Semester

Grade 9-12

This class is a practical course designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. The course will also offer a “laboratory setting” where the beginning speaker can actually stand in front of a live audience and present his/her practiced performance. In addition to public speaking, further performance opportunities may be included in the area of public oral reading. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

***There may be some changes in the CCP Classes through Clark State that we are unaware of at the time of printing. We will provide you with the details as they become available.**

Course offerings are contingent upon class size and teacher availability.

FINE ARTS DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
Art I	Art I	Art I	Art I
Art II	Art II	Art II	Art II
Desktop Publishing	Art III	Art III	Art III
Graphic Design	Desktop Publishing	Desktop Publishing	Art IV
Videography	Graphic Design	Graphic Design	Desktop Publishing
Animation	Videography	Videography	Graphic Design
	Animation	Animation	Videography
			Animation

Art I: .50 Term: Semester Grade 9-12
 Introduction and experimentation with two-dimensional and three-dimensional art emphasizing the elements and principles of design. Students will gain exposure to visual art through basic design, drawing, painting, illustration, and mixed media. Students will become familiar with art related techniques, tools, vocabulary, art history and appreciation. This course is the foundation for the other art classes.

Art II: .50 Term: Semester Grade 9-12
Prerequisite: Art I with a grade of C or above OR permission of an art teacher
 This course is designed to expand on the skills and fundamentals learned in Art I. Continued development of art awareness with a focus on the elements and principles of art and composition. More complex creative experiences will be encouraged to develop individual skills and style.

Art III: .50 Term: Semester Grade 10-12
Prerequisite: Art II with a grade of B or above OR permission of an art teacher
 This course will provide the advanced art student further exposure to more in-depth art studies focusing on various mediums. Students will be expected to work on improving weak or problem areas. Individual work refining the art concentration needed for portfolio development will be required. Continued development of a personal art portfolio is required. Students will participate in art shows throughout the year.

Art IV: .50

Term: Semester

Grade 11-12

Prerequisite: Art II/Art III with a grade of B or above OR permission of an art teacher

This course is designed for the motivated art student who plans to pursue visual arts in college. The depth and breadth of topics covered will vary from year to year based upon the instructor's discretion and student needs. Designed to allow pursuit of a specialty focus, this class will provide the advanced art student further exposure to a more in-depth art studies focusing on various mediums. Students will be expected to develop weak/specific problem areas which need improvement. Individual work refining the art concentration needed for portfolio development will be required. Students will participate in art shows throughout the year.

Desktop Publishing/Yearbook

Credit: .50

Term: Semester

Grades 9-12

The desktop publishing class is built around teaching students the fundamental elements of publication. Students will work collaboratively through the entire semester to design and construct the school yearbook. To accomplish the goal of a successful publication, students will learn the basics of photography, graphic design, copy editing, and photo editing. Assignments will include students attending school events to capture and record important moments throughout the year and writing articles to be published in the yearbook. In addition to creating a successful publication, students will also learn to market and sell the yearbook by creating and implementing marketing campaigns throughout the year.

Graphic Design I/II

Credit: .50

Term: Semester

Grades 9-11

Graphic Design uncovers each student's creative talent by allowing them to create several different projects. The students will create a plethora of different designs. In Graphic Design, each student spends time learning the following programs: Illustrator and Photoshop. Students will learn how to utilize the creative process for each project. Graphic Design II advances students in the above learning processes.

Videography I/II

Credit: .50

Term: Semester

Grades 9-12

In Videography, the students learn how to tell a visual story, how to work on a production crew, and how to edit in Final Cut Pro X (one of the largest video editing programs in the industry). This course operates by rotating production crew positions each week. The weekly goal is to create and broadcast video announcements for that particular week. This rotation allows each student to become a jack-of-all-trades. We study proper camera exposure and composition with Canon DSLR cameras. Videography II develops a deeper understanding and broadens the experience described above.

Animation NEW!

Prerequisite:Graphic Design I

Credit: .50

Term: Semester

Grades 9-12

In Animation, students will explore the basics of Adobe After Effects. This course will transform basic design into moving graphics, GIF's, etc.

FOREIGN LANGUAGE DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
Spanish I	Spanish I	Spanish II	Spanish III
Spanish II	Spanish II	Spanish III	Spanish IV
	Spanish III	Spanish IV	Spanish V
		Spanish V	

Spanish I (8th grade)

Credit: 1.00

Term: Year

Grades 8

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts. Upon successful completion of this course, students will earn a high school credit and be permitted to take Spanish II as a freshman.

PREREQUISITE: Teacher recommendation

Spanish I

Credit: 1.00

Term: Year

Grades 9 - 11

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

Spanish II

Credit: 1.00

Term: Year

Grades 9 –12

PREREQUISITE: Spanish teacher highly recommends a grade of 80% or higher in Spanish I in order to successfully progress through Spanish II.

Spanish II builds upon knowledge gained in Spanish I. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures (students will be exposed to the past tenses), and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be expected to apply them in their writing and speaking.

Spanish III

Credit: 1.00

Term: Year

Grades 10 –12

PREREQUISITE: Spanish II with a grade of 87% or higher.

This course builds upon knowledge gained in Spanish I & II. The course is a continuation and recycling of knowledge acquired in Spanish I and Spanish II, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses and grammatical concepts such as the present perfect, future tense and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature. Taking this course for CCP may be an option.

Honors Spanish IV

Credit: 1.00

Term: Year

Grades 11-12

PREREQUISITE: Successful completion of Spanish III AND teacher recommendation.

Reading, writing, speaking and listening skills will be further developed through readings that discuss the culture and history of Spanish-speaking countries. The use of technology will be implemented to further develop these skills. Spanish is the primary language spoken in the class. A review of all major tenses and grammar points will be covered to prepare those students who are entering college. Students are held accountable for note-taking, oral discussions, written examinations and oral presentations exclusively in Spanish.

By the end of this course, students will be able to do the following:

- incorporate vocabulary related to the various themes studied in their spoken and written Spanish.
- review and refine spoken and written grammar.
- effectively communicate and express ideas in Spanish
- comprehend authentic spoken narratives in Spanish
- read selections in Spanish
- write short narratives in Spanish

Taking this course for CCP may be an option.

Honors Spanish V

Credit: 1.00

Term: Year

Grade 12

PREREQUISITE: Successful completion of Spanish IV AND teacher recommendation.

Reading, writing, speaking and listening skills will be further developed through readings that discuss the culture and history of Spanish-speaking countries. The use of technology will be implemented to further develop these skills. Spanish is the primary language spoken in the class. A review of all major tenses and grammar points will be covered to prepare those students who are entering college. Students are held accountable for note-taking, oral discussions, written examinations and oral presentations exclusively in Spanish.

By the end of this course, students will be able to do the following:

-incorporate vocabulary related to the various themes studied in their spoken and written Spanish.

-review and refine spoken and written grammar.

-effectively communicate and express ideas in Spanish

-comprehend authentic spoken narratives in Spanish

-read selections in Spanish

-write short narratives in Spanish

Taking this course for CCP may be an option.

Course offerings are contingent upon class size and teacher availability.

HEALTH/PHYSICAL EDUCATION DEPARTMENT

Health will be taught during Winter Term only. Physical Education is offered every other year during Winter Term (due to the large interest in using a Physical Education Waiver.)

Grade 8	Grade 9
Physical Education I (0.25 credit) earned at CCHS	Physical Education II (0.25 credit) (to be offered Winter Term 2020)
	Health*

*** REQUIRED COURSES**

Health

Credit: .50

Term: Semester

Grade 9

This course is required for all ninth grade students. The health instruction program seeks to develop favorable health attitudes, knowledge, and practices. Reverence for all forms and stages of life will be stressed in the health course, along with a concern for one's own well being and that of others.

Physical Education II

Credit: .25

Term: Semester

Grade 9

This course is required of all ninth grade students who do not complete a Physical Education Waiver. The Physical Education Department recognizes the strong correlation between physical education and health. Vigorous muscular work is the foundation of a healthy body. This program is an essential part of the total education process. The growth and development of physical, mental, spiritual and social aspects of life are fostered in the physical education program.

***Students can obtain a Physical Education Waiver if they participate in TWO full seasons of an interscholastic sport or cheerleading during their high school career. If a student becomes academically ineligible to participate on a CCHS athletic team, the PE Waiver becomes void and the student is unable to earn it while academically ineligible.**

*** Physical Education Waiver Forms will be sent home at a later date.**

MATHEMATICS DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
Algebra 1	Geometry	Algebra II	Pre-Calculus or Probability and Statistics or Honors Pre-Calc
Geometry (if Algebra 1 completed in 8th grade)	Algebra II	Honors Pre- Calculus	Advanced Placement Calculus AB
Algebra II (teacher approval and prerequisites required)	Honors Pre- Calculus	Advanced Placement Calculus AB	Advanced Placement Calculus BC
			Probability and Statistics

Courses in the Mathematics Department are designed to meet the wide range of student ability in mathematics.

Algebra 1

Credit: 1.00

Term: Year

Grades: 8, 9

This course builds upon the basic algebraic concepts that students learned in middle school. This course is designed to provide a strong basis for future math courses. Students will deepen their understanding of linear and exponential relationships, as well as learn how to study relationships between quantities and reason with equations. Finally, students will be able to extend their knowledge of expressions, equations, and modeling.

Geometry

Credit: 1.00

Term: Year

Grades: 9, 10

PREREQUISITE: Algebra 1

This course is designed for students who have completed Algebra 1. Students will focus on topics including geometric structure, congruence, trigonometry, and measurement. Students will create geometric constructions, prove geometric theorems, and utilize trigonometry in problem solving. Finally, this course will assist students as they visualize and model geometric figures.

Algebra II

Credit: 1.00

Term: Year

Grades: 10-12

PREREQUISITE: Geometry

This course builds on the students' previous knowledge of linear, quadratic, and exponential functions. Students will focus on topics including polynomial, rational, and radical relationships; trigonometric functions; and finally, modeling with functions. Students will deepen their knowledge of functions to include polynomial, rational, and radical functions. This course will support students as they extend their ability to model situations and solve various equations.

Probability and Statistics

Credit: 1.00

Term: Year

Grades: 11-12

PREREQUISITE: Algebra II

This class provides a basic framework in the study of statistics. This course teaches students to collect, organize, and draw conclusions from data. Students will design surveys, perform probability experiments, study sampling distributions, make statistical inferences, and test significance levels. Students will be able to use counting methods and probability formulas to evaluate the likelihood of certain events in addition to applying probability and statistical tests as decision-making tools in hypothesis testing applications.

Pre-Calculus

Credit: 1.00

Term: Year

Grades: 11-12

PREREQUISITE: Algebra 2 with a grade average of 85%

This course provides a strong foundation of advanced mathematical concepts and skills. Topics covered include elementary functions, polynomials, trigonometric functions, and equations. Sophisticated mathematical definitions, notations, and theorems are used. *Students in this course can earn 4 semester hours of college math credit through Clark State (MTH 1280 = College Algebra).*

Honors Pre-Calculus

Credit: 1.00

Term: Year

Grades: 10-12

PREREQUISITE: 87% cumulative average in Algebra 1, Algebra 2, Geometry, recommendation of instructor

This course is designed for students preparing for college-level calculus. Moving at an accelerated pace, students will study elementary functions with additional polynomial topics, trigonometric functions and equations, and an introduction to limits and calculus. Sophisticated mathematical definitions, notations, and theorems are used. *Students in this course can earn 5 semester hours of college math credit through Clark State (MTH 1340 = Pre-Calculus).*

AP Calculus AB

Credit: 1.00

Term: Year

Grades: 11-12

PREREQUISITE: 85% average in Honors Pre-Calculus

This course is designed for students of higher mathematics. Calculus is the mathematics of change and motion. This course will introduce two branches of calculus known as differential and integral calculus, following the Advanced Placement curriculum. The study of the subject demands a careful and exact application of definitions, axioms, and theorems, an imaginative approach to the analysis and solution of given problems, and a willingness to spend time and effort on a daily basis. *The AP Calculus exam in the spring is mandatory. There is a fee for the exam. Students in this course can earn 5 semester hours of college math credit through Clark State (MTH 2200 = Calculus I).*

AP Calculus BC

Credit: 1.00

Term: Year

Grade: 12

PREREQUISITE: AP Calculus AB

This is a full year course on calculus of a single variable. It reviews all the topics of AP Calculus AB and includes new topics such as derivatives of parametric, polar and vector functions, Euler's method for approximating differential equation solutions, logistic differential equations, improper integrals, integration using partial fractions, and polynomial approximations and series. *The AP Calculus exam in the spring is mandatory. There is a fee for the exam. Students in this course can earn 5 semester hours of college math credit through Clark State (MTH 2220 = Calculus II).*

***There may be some changes in the CCP Classes through Clark State that we are unaware of at the time of this printing. We will provide you with the details as they become available.**

Course offerings are contingent upon class size and teacher availability.

RELIGION DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
Theology I (sequence)	Theology II	Theology III	Theology IV
		Theology of Ministry	Theology of Ministry

Theology I

Credit 1.00

Term: Year

Grade 9

Semester One: Foundations of Catholicism (Scripture, Sacraments, Liturgy, Prayer)

The basic teachings and practices of the Roman Catholic Church will be taught in order to lay a foundation for students' future religion classes. Students will learn about the Trinity, the Paschal Mystery, Sacred Scripture, the seven Sacraments, Saints, Sacramentals, Church Liturgy, the Liturgical Year, Eschatology, and the importance of Prayer in our daily life.

Semester Two: The Revelation of Jesus Christ in Scripture (Old Testament/Hebrew Scriptures)

A comprehensive overview of the Old Testament – the inspired record of God's revelation to us and the stories of salvation history. Using a contextualist approach students will learn to focus on the religious truths of the Old Testament so as to better understand and encounter God's self-revelation in the person of Jesus Christ, the Word made Flesh. The themes and teachings found in the lives of Old Testament people will be applied to the daily challenge of living a Christian life in today's culture.

Theology II

Credit 1.00

Term: Year

Grade 10

Semester One: Who is Jesus Christ? The Mission of Jesus Christ (Christology/New Testament)

A comprehensive overview of the New Testament and the life and stories of Jesus found in the Gospels and the early Christian communities. Using a contextualist approach students will learn to focus on the religious truths of the New Testament so as to better understand and encounter God's self-revelation in the person of Jesus Christ, the Word made Flesh. Students will reflect upon the dignity of the human person, created in the likeness of God and be empowered to live as disciples of Jesus Christ who revealed the fullness of our humanity.

Semester Two: Jesus Christ's Mission Continues in the Church (Ecclesiology) and History of the Catholic Church

Jesus Christ is encountered both in and through the community of the Church. Students will appreciate the importance of their participation in the life and the mission of the Church. There will be focus on Church structure and its role in the modern world. In addition, students will learn and understand the significance of the Church's major historical events, their impact today, with an emphasis on the historical development of the sacraments.

Theology III

Credit 1.00

Term: Year

Grade 11

Semester One: Life in Jesus Christ (Catholic Morality)

Students will be challenged to reflect upon living a life in accordance with the teachings of Jesus Christ, which grounds the Catholic vision of morality. We will explore basic moral principles and how to discern what is morally right and what is morally wrong. Moral problem solving and conscience formation will help students to critically explore and reflect upon a variety of moral issues that confront students in their daily lives. Students will be encouraged to discern how they can follow God's will, respond more fully to God's love, and live as disciples of Jesus Christ.

Semester Two: Interreligious and Ecumenical Issues (Religions of the World)

The major religions of the world, within our global community, will be explored in relationship to Catholicism and the beliefs and spiritual truths found in all religions. *Nostra Aetate* (Declaration on the Relation of the Church with Non-Christian Religions, 1965) will be explored in depth when discussing the monotheistic faiths of Christians, Muslims, and Judaism. The three branches of Christianity (Protestantism, Catholicism, and Orthodoxy) will be examined and understood regarding their similarities and differences.

Theology IV

Credit 1.00

Term: Year

Grade 12

Semester One: Living as a Disciple of Jesus Christ in Society (Catholic Social Teaching)

Students will consider how we, as Christians, relate to the world around us by investigating the Catholic Church's Social Teachings concerning justice. Christ's concern for others, especially the poor and vulnerable, is an essential element of Catholic life. Students will investigate issues surrounding local and global injustices and appreciate the power of the Gospel message both to transform society and to be empowered to engage in activities that promote justice.

Semester Two: Responding to the Call of Jesus Christ (Catholic Lifestyles / Vocations)

Students will consider their own call to holiness and how to live a Christian life in their day to day world of work, school, home, and relationships with others. The vocations of Single Life, Married Life, Holy Orders and various forms of Consecrated Life will be explored in depth with opportunities to prayerfully discern their own vocation.

Theology of Ministry

Credit 0.5

Term: Semester

Grade: 11-12

Prerequisite: Student needs a recommendation from the Campus Minister or their current Religion Teacher. In this elective course, students will explore ministry within the Church. This course will offer students a practical ministry at Catholic Central and in the larger church. Students will take on leadership roles in the Peer Ministry Program and assist in the coordination of various ministries for their peers, such as retreats, prayer services, liturgies, prayers, etc. Students will study the theology of ministry and create their personal vision of ministry. Throughout the course of the semester, students will gain the skills and knowledge needed to minister to others.

SCIENCE DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
Biology	Biology	Chemistry	Chemistry
Honors Biology	Chemistry	Honors Chemistry	Honors Chemistry
	Honors Chemistry	Advanced Chemistry	Advanced Chemistry
		Anatomy/Physiology	Anatomy/Physiology
		AP Biology	AP Biology
		Physics	Physics

Biology

Credit: 1.00

Term: Year

Grade 9-10

This course is primarily structured for those students with no previous biology training. It emphasizes the fundamental life concepts and processes common to all living organisms. It introduces major concepts of scientific method, classification of organisms, cell biology, basic biochemistry, genetics and basic ecology. Labs give a visual aid and help to reinforce the concepts of the topics covered.

Honors Biology

Credit: 1.00

Term: Year

Grade 9

This course is structured for freshmen students with no previous biology training who are interested in eventually taking Anatomy/Physiology, AP Biology, or Physics. This advanced-pace course emphasizes the fundamental life concepts and processes common to all living organisms with an emphasis on current events. It introduces and dives deep into major concepts of scientific method, classification of organisms, cell biology, basic biochemistry, genetics and basic ecology. Labs give a visual aid and help to reinforce the concepts of the topics covered.

Chemistry

Credit: 1.00

Term: Year

Grade 10 – 12

PREREQUISITE: Students need to have passed Biology and Algebra I

This is an introductory course in chemistry designed for the college-bound student. The principles covered will be restricted to those which are basic to a beginning course in college chemistry, including atomic structure, chemical reactions, bonding, solutions, and introductory stoichiometry. The accompanying laboratory experiences are designed to be enjoyable yet hands on experiments which emphasize the function and form of chemistry along with proper and mature laboratory techniques. This course has a strong mathematical basis.

Honors Chemistry

Credit: 1.00

Term: Year

Grade 10 – 12

PREREQUISITE: Students need to have passed both Biology and Algebra I with a B or higher or have the recommendation of both their science and math teacher

This course in chemistry is designed for the college-bound student interested in taking AP Chemistry or AP Biology or majoring in a chemistry heavy field in college. The principles covered will be those which are basic to a beginning course in college chemistry, including atomic structure, chemical reactions, bonding, solutions, and introductory stoichiometry. The accompanying laboratory experiences are designed to be enjoyable yet hands on experiments which emphasize the function and form of chemistry along with proper and mature laboratory techniques. This course has a strong mathematical basis. While this course will cover the same topics as a general Chemistry course it is designed to move at a faster pace.

Advanced Chemistry

Credit: 1.00

Term: Year

Grade 11-12

PREREQUISITE: 87% or better in Chemistry: 87% or better in Algebra II.

Advanced Chemistry is the equivalent of first year college general chemistry, focusing on chemical calculations and mathematical formulation of chemical principles, and in depth laboratory experiments resulting in proofs of calculations. Some topics include intermolecular theories and forces, thermodynamics, gas laws, rate laws, and stoichiometric applications across the board. *The laboratory experience will be equivalent to that of a typical college course in the expectation of safe and mature lab practices, self-driven applications of coursework concepts to extend knowledge, and data acquisition, manipulation, and presentation to demonstrate and share the extended knowledge gained.* **Summer reading will be assigned as well as in winter term. The reading will be reviewed and tested the first week of school.**

Anatomy/Physiology

Credit: 1.00

Term: Year

Grade 11–12

PREREQUISITE: Chemistry with an 80% average, Biology I with an 87% average.

This course is designed for the second year biology student who is interested in a health or medical career. The course will cover the structure and functions of the various cells and tissues found in the human body, as well as basic biochemistry. The anatomy and physiology of the human body will be studied in depth and will include the major body systems. A lab portion of this course will incorporate dissections of various organs and physiology experiments in order to reinforce lecture topics. Students will need to focus on both memorization of anatomy as well as critical thinking and understanding of the physiology and how they are both dependent upon one another.

Physics

Credit: 1.00

Term: Year

Grades 11-12

PREREQUISITE: 87% average or better in Chemistry and Algebra II.

This course along with biology and chemistry provides the foundation for further study of science in college, as well as providing excellent preparation in problem solving for any college-bound student. Physics is a branch of science that involves the study of the physical world: energy, matter, and how they are related. The goal of this course is to help you understand “how things work” in our world. Major areas of study include mechanics, energy, waves/light, and electricity/magnetism. Class and laboratory activities will both rely heavily on the use of mathematical skills.

Advanced Placement (AP) Biology

Credit: 1.00

Term: Year

Grade 11-12

PREREQUISITE: 87% average in Biology, Chemistry, and Anatomy & Physiology is highly recommended.

This course is designed to be taken by students after the successful completion of high school biology and one year of high school chemistry is mandatory. Anatomy and Physiology is highly recommended. The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing field of biology. The core of the course is designed around 8 inquiry based laboratory experiments. Reading will be a major out-of-class responsibility. Students will read a college-level textbook at the rate of at least fifteen to twenty pages a week in addition to research and study pertaining to the eight lab experiments. Required summer reading and assignments will precede the start of class.

Students must be able to read on a college level. Taking the AP Biology Exam in the spring is mandatory.

SOCIAL STUDIES DEPARTMENT

Grade 9	Grade 10	Grade 11	Grade 12
World History	American History	Government	
	Global Issues	Economics & Financial Literacy	Economics & Financial Literacy
	Sociology	Psychology	Psychology
		Global Issues	Global Issues
			Introduction to Entrepreneurship

World History: 1770 to Modernity

Credit: 1.00

Term: Year

Grade 9

In an attempt to become a citizen of our global community it is vitally important that the student has a basic knowledge of the world, its people, their customs, and the reasons for their conflicts. In this course, students will explore such topics as the Enlightenment, Industrialization, Imperialism, and conflicts of the 20th Century, including World War I, World War II, and the Cold War. Through this study, students will investigate global societies and their people, geography, economics, governments, and citizen participation.

American History: Reconstruction to Modern Times

Credit: 1.00

Term: Year

Grade 10

This course focuses on the development of the United States beginning with 19th Century Industrialization. Major trends and significant developments in the U.S. will be emphasized, as well as the role of citizens in these developments. Topics covered will include Industrialization; U.S. Imperialism; 20th Century conflicts including World War I, World War II, Vietnam and the Cold War; and political, economic, and social developments in the 20th Century. Through this study, students will investigate U.S. society through its culture, geography, economic patterns, and government, and explore the development of their rights and responsibilities as citizens of the United States.

Government

Credit: .50

Term: Semester

Grade 11

By examining the role of the individual in local, state and national government, students will be better prepared to understand the social, economic and political pressures of the modern age.

The general structures and functions of government will be studied, as well as the place of political parties, lobbies and pressure groups in the American political system. Personal involvement will be encouraged and considerable stress will be placed on being informed voters, accountability of public officials, and the responsibilities of the voting privilege.

Economics & Financial Literacy

Credit: .50

Term: Semester

Grades 11-12

This course is to provide students with the awareness of their personal responsibilities, including handling checking accounts, personal budgeting, portfolio management, personal taxes (New Form 1040) and insurance (homeowners, life and automobile). This course will also build a foundation of understanding of our important and current problems as they relate to an individual's personal finance.

This course is part of the CCHS graduation requirements.

Psychology

Credit: .50

Term: Semester

Grade 11 - 12

Students taking this course examine the history of psychology and the various scientific methods used to study behavior. They study several types of human development, such as, language, intellectual, and moral development. A number of famous theorists on personality are also discussed, such as, Sigmund Freud, B.F. Skinner and Abraham Maslow. Topics such as motivation, emotions, coping with stress, and identifying and treating psychological disturbances are also covered in the scope of this course. Participation in class discussion is a major requirement for this course.

Global Issues and Contemporary Studies

Credit: .50

Term: Semester

Grade 10-12

Recognizing that the world is a global community, this course will identify specific geographic information and will explore political, economic, and cultural current events. Exploring current topics will enable the students to evaluate events and the possible effect it may have on their life in the future.

Introduction to Entrepreneurship/Advanced Economic Theory

Credit: .50

Term: Semester

Grade 11-12

This course provides an overall view of the principles and problems of our American economic system with practical application of those principles through classroom activities. Students will organize and capitalize a student company, examine business operations, compete with similar student companies from other school systems. A large portion of this class will be working in a group as a business using the Junior Achievement model. In order for this class to function effectively, it has to have a minimum enrollment of 12 and a maximum of 18.

Course offerings are contingent upon class size and teacher availability.