



COLUMBUS

CATHOLIC HIGH SCHOOL

Program of Study

2025-2026

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Introduction

Mission Statement

To provide an exceptional Catholic education for every student, built on a foundation of faith, discipline, knowledge and service.

Vision Statement

Cedar Valley Catholic Schools will be the first choice of families who believe God, community, leadership, and service are the foundation of a learning environment.

Contact Information

School Board Members

Fr. Tom McDermott	Waterloo Pastoral Coordinator	St. Edward
Fr. Tony Kruse	Pastoral Appointment	Blessed Sacrament
Jake Schaefer	President	Blessed Sacrament
Greg Stammeyer	Vice President	Blessed Sacrament
Re Moe		Sacred Heart
Eric Donat		Queen of Peace
Heather Malek		Saint Edward
Ki Park	Secretary	Saint Edward
Laura Schaefer		St. Patrick's

Cedar Valley Catholic Schools Administrative Staff

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<i>Activities Director</i>	Julie Girsch	jgirsch@cvcatholic.org
<i>College & Career Planning Program Director</i>	Tyann Wolfensperger	twolfensperger@cvcatholic.org
<i>Director of Curriculum, Instruction, & Assessment</i>	Stephanie Kane	skane@cvcatholic.org
<i>Director of Advancement</i>	Sarah Smith	ssmith@cvcatholic.org
<i>Director of Human Resources</i>	Amy Peters	apeters@cvcatholic.org
<i>Controller</i>	Amy Youngblut	ayoungblut@cvcatholic.org

Academic Planning

Course of Study : Graduation Requirements

Includes Class of 2028 and all classes following.

48 Credits are needed for graduation and must include the following:

Theology	8 credits	Mathematics	6 credits
English	8 credits	Physical Education	4 credits
Science	6 credits	Technology	1 credit
Social Studies	6 credits	**Electives	9 credits

1 Semester = 1 Credit

Required Courses

These courses must be passed with a D- or higher in order to earn credit for the course.

***Electives- 5 of these 9 electives must come from the following categories: English, STEM, Social Studies, Fine Arts, and High School Foundations*

English (8 Credits)

- English 9
- English 10
- English 11 OR AP English Language & Composition OR Composition 1 & 2
- English 12 OR AP English Language & Composition OR Composition 1 & 2 OR Elective(s)

Theology (8 Credits)

- Old Testament
- The Mission and Ministry of Jesus
- New Testament
- The Church
- Morality
- Elective
- Elective
- Elective

Science (6 Credits)

- Physical Science
- Biology
- Chemistry

Social Studies (6 Credits)

- World History I AND II
- We the People
- US History I AND II
- US Government

Mathematics (6 credits)

- Algebra I OR Accelerated Algebra I
- Geometry OR Accelerated Geometry
- Algebra II OR Accelerated Algebra II

Physical Education (4 Credits)

- PE/Health
- Activities or Weight Training
- Activities or Weight Training
- Activities or Weight Training

Technology (1 Credit)

- Introduction to Computer Science

Electives (9 Credits)

- Fine Arts
- STEM
- Social Studies
- English
- High School Foundations (2029 and beyond)
-
-
-
-

State Requirements

- CPR Training

ICAP Yearly Requirements (see Appendix D)

- Freshman Junior
- Sophomore Senior

Academic Planning

Course of Study

Graduation Requirements

Includes Class of 2026 and Class 2027

48 Credits are needed for graduation and must include the following:

Theology	8 credits	Mathematics	6 credits
English	8 credits	Physical Education	4 credits
Science	6 credits	Technology	1 credit
Social Studies	6 credits	Electives	9 credits

1 Semester = 1 Credit

Required Courses

These courses must be passed with a D- or higher in order to earn credit for the course.

Theology (8 Credits)

- Old Testament
- The Mission and Ministry of Jesus
- New Testament
- Morality
- Elective
- Elective
- Elective
- Elective

English (8 Credits)

- English 9
- English 10
- English 11 OR AP English Language & Composition OR Composition 1 & 2
- English 12 OR AP English Language & Composition OR Composition 1 & 2 OR Elective(s)

Science (6 Credits)

- Physical Science
- Biology
- Chemistry

Social Studies (6 Credits)

- World History I AND II
- We the People
- US History I AND II
- US Government

Mathematics (6 credits)

- Algebra I OR Accelerated Algebra I
- Geometry OR Accelerated Geometry
- Algebra II OR Accelerated Algebra II

Physical Education (4 Credits)

- PE/Health
- Activities or Weight Training
- Activities or Weight Training
- Activities or Weight Training

Technology (1 Credit)

- Introduction to Computer Science

State Requirements

- CPR Training

ICAP Yearly Requirements (see Appendix D)

- Freshman Junior
- Sophomore Senior

Typical Progression of Courses by Grade

Includes Class of 2028 and all classes following.

9th Grade

Required Courses		Credits
Math	Algebra I or Geometry	2
English	English 9	2
Science	Physical Science	2
Social Studies	World History I & II	2
Theology	Old Testament & Mission and Ministry of Jesus	2
PE	PE/Health	1
	High School Foundations	1
Electives		4

10th Grade

Required Courses		Credits
Math	Geometry or Algebra II	2
English	English 10	2
Science	Biology	2
Social Studies	We the People	1
Theology	New Testament & The Church	2
PE	Activities or Weight Training	1
Technology	Introduction to Computer Science (Class of 2029 and beyond)	1
Electives		5

11th Grade

Required Courses		Credits
Math	Algebra II or <i>Math Elective</i>	2
English	English 11 OR AP English Language & Composition OR Composition 1 & 2	2
Science	Chemistry	2
Social Studies	US History I & II	2
Theology	Morality & <i>Theology Elective</i>	2
PE	Activities or Weight Training	1
Electives		5

12th Grade

Required Courses		Credits
Math	<i>Optional Math Elective</i>	0-2
English	English 12 OR AP English Literature OR Composition 1 & 2 OR <i>Elective(s)</i>	2
Science	<i>Optional Science Elective</i>	0-2
Social Studies	Us Government	1
Theology	<i>Theology Electives (two required)</i>	2
PE	Activities or Weight Training	1
Electives		6-10

Four Year Plans

All Columbus Catholic students will have a 4-year Academic Plan that maps out coursework for their high school experience. This plan will be started during their 9th grade year and then revised as necessary during high school. The plan will contain information on post-secondary planning and education that will take place throughout high school.

The school counselor, as well as our College and Career Readiness Director, will be available to students and parents for consultation.

As students plan for their course of studies over the next four years, they will consult teachers, the school counselor, the College and Career Readiness Director, and their parents. Please check the graduation requirements in this course planner to ensure all of the necessary credits and courses are met.

Course Policies

Grading and Grading Scale

Grade	Percentage	GPA Pts	Acc GPA
A	93% - 100%	4.00	4.25
A-	90% - 92%	3.67	3.92
B+	87% - 89%	3.33	3.58
B	83% - 86%	3.00	3.25
B-	80% - 82%	2.67	2.92
C+	77% - 79%	2.33	2.58
C	73% - 76%	2.00	2.25
C-	70% - 72%	1.67	1.92
D+	67% - 69%	1.33	1.58
D	63% - 66%	1.00	1.25
D-	60% - 62%	0.67	0.92
F	0% - 59%	0.00	0.00

Grade point average is calculated to the hundredths place. Honor Courses (Accelerated, Advanced Placement (AP), and College Courses) earn an extra .25 on the GPA; these courses are designated with an (A) in the course title within the course descriptions. Cumulative grade point average is computed on semester grades. Columbus Catholic does not publish class rankings for students.

Electives Requirements

Starting with class of 2028, students will be required to choose one elective from each of the following categories: STEM (Science, Technology, Engineering, and Math), Fine Arts (Art, Choir, Band), Social Studies, and English. Electives that qualify for this requirement can be found under the course offerings.

Course Change Policy

All students must maintain a full schedule. The school's master schedule is built based on course selections made during registration. Course changes will only be approved for the following reasons: scheduling error, missing a class, incorrect course level, a course required for college admissions, or a course needed for Columbus Catholic High School graduation. Class changes will not be granted to switch teachers, be with preferred peers, or improve grades/GPA. If a course change is necessary and meets the outlined criteria, students should notify their school counselor immediately. **Course changes are only accepted within the first two weeks of the semester** unless there are extenuating circumstances. For more information, contact the school counselor.

Course Information, Requirements, And Prerequisites

All courses available for the upcoming school year are listed in the Program of Study. Unless stated otherwise, courses worth one (1) credit last one semester, while courses worth two (2) credits span the full school year. Students should carefully review the grade-level eligibility and prerequisites for each course. If a student selects a course without meeting the prerequisites, they will be placed in an alternative course that aligns with their qualifications.

Waterloo Career Center & Concurrent Courses

The Waterloo Career Center (WCC) offers 70-minute courses designed to provide hands-on experience across multiple career pathways, allowing students to earn both high school and college credit. Students interested in enrolling should consult the school counselor or College and Career Readiness Director. Course offerings, which are subject to change, can be found in Appendix B.

Students can also enroll in online college/concurrent courses to earn both high school and college credit. For a list of available courses, see Appendix C (offerings subject to change).

Concurrent Prerequisites

Students must demonstrate proficiency on ISASP tests in Mathematics, Science, and English-Language Arts when taking liberal arts transfer concurrent courses. If a student is not proficient in a content area, alternate measures may be used to demonstrate proficiency. Use the grid to identify an alternative measure that satisfies each content area:

Reading	Mathematics	Science
ACT: 20	ACT: 20	ACT: 20
CogAT – Verbal (SAS): 97	CogAT – Quantitative (SAS): 97	Naglieri – (NAI): 97
	CogAT – Nonverbal (SAS): 97	
	Naglieri – (NAI): 97	
High school semester course grade of 'B' or higher in the most recent reading course. Teacher recommendation in subject area must be included.	High school semester course grade of 'B' or higher in the most recent mathematics course. Teacher recommendation in subject area must be included.	High school semester course grade of 'B' or higher in the most recent science course. Teacher recommendation in the subject area must be included.

There may be other prerequisites for specific concurrent courses.

Accelerated Course Prerequisites

In order for a student to enroll in an accelerated course, they must demonstrate the following criteria:

- Recommendation from subject-area teacher
- Grade of 'B' or better in the traditional course before enrolling in the related accelerated course
- Proficient or Advanced on the Iowa Statewide Assessment of Student Progress (ISASP) in the content area

In order to remain in accelerated courses, students must maintain a C- or better in the accelerated course. If the student is not meeting the requirement, the student will be removed at semester and placed in the non-accelerated corresponding course (if required for graduation) or another elective.

Middle School Students Receiving High School Credit

These guidelines apply to courses which a middle school student may potentially earn high school credit. Credit may be earned under the following conditions:

- The course is taken and passed at the middle school level in the middle school setting or in the high school setting.
- The student must take and pass the first and second semester final tests based on the high school curriculum. If a student is taking the class in the middle school setting, arrangements will need to be made to complete the test.
- The curriculum used in the middle school setting is to be the high school curriculum.
- The student will then enroll in the next level of the appropriate class as a 9th grader.
- When these criteria are met, the student:
 - Will receive high school credit for the class.
 - The grade will be included in the GPA
 - Credit will not be accepted by the NCAA if a student plays college sports.

Students may choose to retake the class at the high school level by re-enrolling in the class their freshman year. In this case, coursework at the middle school level will not be counted as high school credit, and the grade will not be part of the GPA.

Study Skills Qualifications and Expectations

Study Skills is a resource for students who would benefit from guided support in learning organizational skills and prioritizing course work. Students in Study Skills will have a space in their schedule dedicated to this time. Students qualify for Study Skills if they meet the following criteria:

1. Student has received an “F” in prior courses
2. Student has demonstrated difficulty staying on top of school work
3. Teacher recommendation

Student Services will enroll a student in Study Skills based on the above criteria and will inform the student’s family of this opportunity.

Planning for College

Regent Admission Index (RAI) for IA Public Universities

Iowa State University, the University of Northern Iowa, and The University of Iowa use the Regent Admission Index (RAI) equation to determine automatic admission of high school seniors. The RAI equation factors the ACT composite score, high school GPA, and the number of core classes taken to determine the RAI score. Please visit www.regents.iowa.gov/RAI/ for the most up to date information regarding the RAI.

Alternative RAI equation:	3 X ACT composite score
+	30 X high school GPA
+	5 X number of high school core courses
Alternative Regent Admission Index Score	

Alternative Regent Admission Index Score Freshman applicants who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Courses that qualify as core for the Regents universities are noted in this guidebook with (RAI) next to the course name.

Course Recommendations for College Enrollment

Although the required courses for Columbus graduation will set students up for success for anything they choose to do after high school, it is strongly recommended that students who intend to enroll in college check specific graduation requirements for their program of choice. Enrollment requirements vary based on the school and program of study. *The College and Career Program Director and school counselor can help determine which courses will be best suited for individual students through the academic planning process.*

Below are the recommendations from the Regent Universities in Iowa:

Subject:	Math	Science	Social Studies	Foreign Language	English
Requirements:	6-8 Credits Algebra I Geometry Algebra II	6-8 Credits Biology Chemistry Physics	6 Credits	4-8 Credits a minimum of two (2) years in the same foreign language	8 Credits

NCAA Eligibility Requirements

Student athletes wishing to play at the collegiate level should visit the NCAA Eligibility Center online at: <https://web3.ncaa.org/ecwr3/>. Approved NCAA core courses for Columbus Catholic can be found at: <https://web1.ncaa.org/hsportal/exec/hsAction?hsActionSubmit=searchHighSchool>. Enter 164492 as the six-digit CEEB code to obtain a list.

College & Career Readiness Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
	ACTion & Leadership Course		X	X	X	1	No
WBL 110	Employability Skills (Hawkeye Credit)		X	X	X	1	No
WBL 100	Exploring Careers (Hawkeye Credit)		X	X	X	1	Yes
GUI 101	High School Foundations	X				1	No

Course Descriptions

ACTion & Leadership Course

Category: Elective
22101 G 050 10

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

This semester course is designed to prepare high school students for success both on the ACT and in life beyond school. The first six weeks focus on targeted ACT test prep strategies across all subject areas, while the second six weeks develop essential life readiness and leadership skills such as communication, decision-making, goal-setting, and personal responsibility.

This course is open to sophomores, juniors, and seniors. However, priority will be given by grade level.

High School Foundations

Category: Required
04051 H 050 20

Credits: 1

Offered to Grades: 9

Prerequisite: None

High School Foundations is a foundational course designed to ensure freshmen start their high school journey on the right foot. It introduces them to the expectations and values of our school and equips them with essential executive functioning skills such as time management, organization, goal-setting, and study strategies. The curriculum includes Character Strong and Leader in Me lessons that foster leadership qualities, emotional intelligence, and a strong moral compass, alongside developing skills in effective communication, problem-solving, and teamwork. Through interactive activities, self-reflection, and collaborative projects, students build habits that support academic success and personal growth. By the end of the course, they will be well-prepared to excel in high school, contribute positively to the school community, and establish a strong foundation for future college and career endeavors.

Employability Skills

Category: Elective
22152 G 050 10

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: See Below

College Credit: 3 (Hawkeye Community College)

This course is designed to assist students in developing the skills necessary to obtain employment and to learn and practice the skills and attitudes required for job success. Students will practice resume writing, job application completion, and interviewing techniques. Additionally, students will practice workplace problem solving strategies, and demonstrate skills required to work in a diverse environment.

Exploring Careers

Category: Elective
22151 G 050 10

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

College Credit: 1 (Hawkeye Community College)

This course will provide guidance in choosing a career goal and preparing for employment. Emphasis will be placed on identifying interests, abilities, and values, and exploring options for careers. Students will learn how to access labor market information and employment trends. Additionally, students will develop the skills and aptitudes necessary to obtain employment, emphasizing the development of characteristics associated with job success.

Computer Science & Technology Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
CSC123	Introduction to Computer Science	X				1	No
CSC103	Coding 1	X	X	X	X	1	No
CSC105	Coding 2	X	X	X	X	1	Yes
CSC106	Coding 3		X	X	X	1	Yes
CSC130	AP Computer Science Principles		X	X	X	1	Yes
CSC157	AP Computer Science A		X	X	X	1	Yes
CSC101	Photoshop		X	X	X	1	Yes
CSC104	STEM (Computer Technology)	X	X	X	X	1	No

The Computer Science Department at Columbus Catholic believes it is increasingly important to be familiar with computers in order to succeed in today's world. The future is not only in using computers, but knowing how to control their operation. Computers have changed our world, and we want students to learn how to control computers; not have computers control them. Computer Science courses are strongly recommended for students headed towards mathematics, science, engineering, or computer science in post-secondary education, and will be beneficial to almost everyone.

Course Descriptions

Advanced Placement (AP) Computer Science A (A)

Category: Elective

First Semester: 10157 H 050 10; *Second Semester:* 10157 H 050 20

AP Computer Science "A" introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Credits: 2
Offered to Grades: 10, 11, 12

Prerequisite: Intro to CS

Advanced Placement (AP) Computer Science Principles (A)

Category: Elective

First Semester: 10019 H 050 10; Second Semester: 10019 H 050 20

AP Computer Science course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data, approaches to processing data, analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems..

Required for registration:

1. *Completion of Algebra I*
2. *Introduction to Computer Science*

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: See Below

Coding 1

Category: Elective

10152 G 050 00

Uses the languages: HTML/CSS & Xcode Programming. This course is a semester-long, entry-level course on how to use these 3 programming languages to create web-based applications. This course is a great starting point for students interested in a career in technology.

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Coding 2

Category: Elective

10155 G 050 00

Uses the languages: Javascript and Python. This course is a semester-long course exploring two programming languages that are widely used in the computer science field.

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: Coding 1

Coding 3

Category: Elective

10154 G 050 00

Uses the languages: C++ and Ruby. This course is a semester-long course exploring two more complicated languages in the programming field. This course is also designed for those students who are planning to enter into a career in technology programming.

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Coding 2

Introduction to Computer Science

Credits: 1

Offered to Grades: 10

Prerequisite: None

Category: Required
10012 G 050 00

This is a required course for all students at Columbus Catholic High School. Students will be introduced to the basics of Computer Science in order to properly build a foundation for programming and build a passion for the growing field.

Photoshop

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
10202 G 050 00

This course is a semester-long entry-level course on Adobe Photoshop CC. This course will give step-by-step techniques for working in Photoshop and how to correct, enhance, and distort digital images, create image composites, and prepare images for print and the web. This course is a prerequisite to Photography. This class is designed for those students interested in photography.

STEM (Computer Technology)

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 01251 G 050 10; Second Semester: 01251 G 050 20

This year-long course will combine the excitement of a sport with rigors of science and technology. Students will learn and apply engineering principles to solve problems and perform tasks. In the course students will learn business, mechanical, programming, construction and electrical skills along with problem solving and collaboration. Students will have the opportunity to participate in the FRC competition in March.

English Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
ENG101	English 9	X				2	No
ENG51	Accelerated English 9	X				2	Yes
ENG02	English 10		X			2	Yes
ENG52	Accelerated English 10		X			2	Yes
ENG03	English 11			X		2	Yes
ENG53	AP English Language & Composition			X		2	Yes
ENG15	English 12				X	2	Yes
ENG83	AP English Literature & Composition				X	2	Yes
ENG38	Applied English & Communications		X	X	X	2	No
ENG77	Performing Arts/Drama	X	X	X	X	1	No
ENG78	Public Speaking		X	X	X	1	No
ENG81	Dystopian Literature		X	X	X	1	No
ENG07	Creative Writing	X	X	X	X	1	No
ENG80CH	Exploratory Reading	X	X	X	X	1	No
ELL05	Beginning ELL	X	X	X	X	2	Yes
ELL01	Emerging ELL	X	X	X	X	2	Yes
ELL04	Progressing ELL	X	X	X	X	2	Yes

The English Department at Columbus Catholic consists of courses that are taught in an integrated style which involves all of the language arts (speaking; listening; reading; writing; viewing; and visual expression and nonverbal communication). In all of the courses students will be expected to develop and use each of these language arts skills in a variety of ways.

Course Descriptions

Advanced Placement (AP) Language and Composition (A)

Category: Required

First Semester: 01005 E 050 10; Second Semester: 01005 E 050 20

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and written texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. Students enrolled in this course will have the option to take the College Board Advanced Placement Exam in May which may qualify them for college credit. Enrollment is limited to this course (approximately 15-20 students per section). In preparation for this course, students will be given analysis and writing assignments to complete during the summer months.

Credits: 2

Offered to Grades: 11, 12

Prerequisite: English 9 & 10

Accelerated English 9 (A)

Category: Required

First Semester: 01001 H 050 10; Second Semester: 01001 H 050 20

This course is designed for the individual who has excelled in English and language arts and who wishes to be challenged in this subject area. The course includes units in literature, grammar, composition and library research, covering more and a greater variety of material than English 9. Emphasis will be placed on inquiry and higher order thinking skills. The student is offered a program that enables him/her to speak, listen, read and write with increasing understanding.

See Accelerated Course Prerequisites

Credits: 2

Offered to Grades: 9

Prerequisite: See Below

Accelerated English 10 (A)

Category: Required

First Semester: 01002 H 050 10; Second Semester: 01002 H 050 20

This course is designed for the student who has excelled in English as a ninth grader and who has the desire to be challenged. A variety of literary genres will be taught as well as additional writing skills. Speech and writing place emphasis on effective use of language as a tool of self-expression.

See Accelerated Course Prerequisites

Credits: 2

Offered to Grades: 10

Prerequisite: Acc. English 9
or Approval

Applied English and Communications

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 11105 G 050 10; Second Semester: 01156 G 050 20

This elective class is designed for those students who have demonstrated a strong interest and ability in writing and graphic design. Students will be responsible for writing articles for *The Compass* and creating our yearbook. Ability to work as part of a team, meet deadlines, and excellent attendance are essential. Students must be comfortable with conducting interviews and taking photos of students they may not know, along with entering the community to sell advertisements. Students should be prepared to make a yearlong commitment.

Advanced Placement (AP) Language and Composition (A)

Credits: 2

Offered to Grades: 11, 12

Prerequisite: English 9 & 10

Category: Required

First Semester: 01005 E 050 10; Second Semester: 01005 E 050 20

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and written texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. Students enrolled in this course will have the option to take the College Board Advanced Placement Exam in May which may qualify them for college credit. Enrollment is limited to this course (approximately 15-20 students per section). In preparation for this course, students will be given analysis and writing assignments to complete during the summer months.

Advanced Placement (AP) Literature (A)

Credits: 2

Offered to Grades: 11, 12

Prerequisite: English 9 & 10

Category: Elective

01006 A 050 00

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Communications (Public Speaking)

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

01155 G 050 00

This course is designed to help students develop the skills and confidence needed to become effective public speakers and better communicators. Through a combination of lectures, readings, and practical exercises, students will learn how to plan, research, organize, and deliver compelling speeches. They will also learn techniques for overcoming anxiety and managing nerves, as well as strategies for engaging and connecting with their audience through a variety of organized appeals and information. By the end of the course, students will have developed the skills and confidence needed to better communicate, and deliver effective speeches in a variety of settings, from professional presentations to personal events.

Dystopian Literature

Category: Elective
01061 G 050 00

Enter worlds where society has gone wrong, and people fight for freedom and survival. This course is perfect if you're interested in stories about the future and what makes us human.

Credits: 1
Offered to Grades: 10, 11, 12
Prerequisite: None

Creative Writing

Category: Elective
01104 G 050 00

Through a variety of engaging exercises and prompts, students will embark on a journey to discover and develop their unique voice as writers. From crafting short stories to exploring poetry, this course encourages creative expression in a supportive environment. Students will also have the opportunity to share and receive constructive feedback, fostering a sense of community and collaboration.

Credits: 2
Offered to Grades: 9, 10, 11, 12
Prerequisite: None

English 9

Category: Required
First Semester: 01001 G 050 10; Second Semester: 01001 G 050 20

This course is designed to expose students to the literary techniques of short stories, drama and novels as well as developing writing skills through instruction in grammar, composition and library usage. The student is offered a program that enables him/her to speak, listen, read and write with increasing understanding.

Credits: 2
Offered to Grades: 9
Prerequisite: None

English 10

Category: Required
First Semester: 01002 G 050 10; Second Semester: 01002 G 050 20

In this course the students study literature from various genres including short stories, articles, poetry, the novel, and drama. In addition, students participate in an examination of the etymology of the English language through the study of Greek and Latin word roots and grammar; and students will express their ideas through speech and writing of different genres, emphasizing the use of language as a tool of self-expression.

Credits: 2
Offered to Grades: 10
Prerequisite: English 9

English 11: Composition and Literature

Category: Required
First Semester: 01003 G 050 10; Second Semester: 01003 G 050 20

This course is divided into two semesters. The first semester focuses on developing writing skills through a variety of writing experiences including: personal essay, college admissions and scholarship essays, resume and cover letter writing, and research/argument writing. The second semester will focus on reading multiple genres and authors. Students will grow to understand the texts through a variety of activities, including in-depth discussions and written literary analysis.

Credits: 2
Offered to Grades: 11
Prerequisite: English 10

English 12: College Prep Composition and Literature

Category: Required

First Semester: 01004 E 050 10; Second Semester: 01004 E 050 20

A student with plans of attending a two or four year college, or one who seeks to build their knowledge and communication skills prior to entering a career field, would be appropriately placed by registering for this course. Emphasis will be on the study of literature and the development of writing and communication skills. Areas covered in literature may include epic poetry, the novel, Shakespeare, and various essays. Areas covered in the development of writing and communication skills include the narrative, description, informed opinion (argumentation/debate), research, and analysis.

Credits: 2

Offered to Grades: 12

Prerequisite: English 11

Performing Arts/Drama

Category: Elective

05052 G 050 00

This one semester course will introduce students to the fundamentals of the performing arts, specifically in the world of theater. Students will grow in confidence, creativity, and collaboration skills through both written assignments and activities. Students taking this course will participate in activities such as costume and make-up design, set design, ensemble acting, monologue, and improvisation.

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Exploratory Reading

Category: Elective

01053 G 050 00

In this course, students take ownership of their reading by selecting texts from a variety of approved genres and categories, including fiction, nonfiction, poetry, and more. With teacher guidance, students explore personal interests, build reading stamina, and develop comprehension and analytical skills. Class time includes independent reading, discussions, and reflections to support growth as lifelong readers. This course fosters a love of reading while encouraging students to think critically and make meaningful text connections.

Credits: 1

Offered to Grades: 9, 10, 11, 12

English Language Learners (ELL)

Category: Required

First Semester: 01008 S 050 14 Second Semester: 01008 S 050 24

This is an English as a Second Language (ESL) course designed for English Language Learners (ELL). This course focuses on the mastery of English language acquisition with a focus on listening, reading, speaking, and writing skills. The purpose of this course is to prepare students to pass the ELPA21 Proficiency Exam. ELPA21, or other English proficiency exams, are used to determine ELL placement.

Offered as Beginning, Emerging, or Progressing based on current proficiency.

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: Eligibility

Family Consumer Science Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
FCS01	Clothing I	X	X	X	X	1	No
FCS21	Clothing II	X	X	X	X	1	Yes
FCS10	Food and Nutrition I	X	X	X	X	1	No
FCS23	Food and Nutrition II		X	X	X	1	Yes

The Family Consumer Science Department at Columbus Catholic believes in teaching valuable life skills for all students. These are active courses with plenty of “hands on” learning experiences that aim to teach necessary skills to live independently and become caring and informed consumers, family members, and community citizens.

Course Descriptions

Clothing I

Category: Elective
19256 G 050 00

Clothing I is for the students who have little or no knowledge of clothing construction. Students will learn the basic techniques in operating a machine, selecting fabric and pattern and constructing three or more garments. These courses can not be Virtual. Class attendance is crucial, as grading is based on observation of hands-on skills, group work, projects and discussion. Repeated absences will affect grades.

NOTE: students will provide their own sewing materials

Credits: 1
Offered to Grades: 9, 10, 11, 12
Prerequisite: None

Clothing II

Category: Elective
19201 G 050 00

Clothing II is designed for the students who have previous sewing experience. Students will select sewing patterns which include construction details that they have not mastered from Clothing I. Students will also cover clothing alterations for constructed and purchased garments. Class attendance is crucial, as grading is based on observation of hands-on skills, group work, projects and discussion. Repeated absences will affect grades.

NOTE: students will provide their own sewing materials

Credits: 1
Offered to Grades: 9, 10, 11, 12
Prerequisite: Clothing I

Food and Nutrition I

Category: Elective

19252 G 050 00

The Food and Nutrition I course will expose students to the basic techniques needed for food preparation. Food areas studied include meat, fruits, vegetables, pastry, cakes, eggs, breads, etc. Nutrition, meal planning, and eating disorders will also be studied. These courses can not be Virtual. Class attendance is crucial, as grading is based on observation of hands-on skills, group work, projects and discussion. Repeated absences will affect grades.

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Food and Nutrition II

Category: Elective

19253 G 050 00

Food and Nutrition II is an extension of Food and Nutrition I. This course will allow students to practice basic cooking principles and meal preparation in depth. More time will be spent on complete meal planning, equipment and kitchen utensil use, meat cookery, milk, cheese and egg products. This unit will also include entertaining, etiquette, and foreign foods. These courses can not be Virtual. Class attendance is crucial, as grading is based on observation of hands-on skills, group work, projects and discussion. Repeated absences will affect grades.

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Food &
Nutrition I

Fine Arts Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
ART101	Foundations of Art	X	X	X	X	1	No
ART102	Mixed Media	X	X	X	X	1	Yes
ART05	Ceramics		X	X	X	1	Yes
ART06	Drawing		X	X	X	1	Yes
ART07	Painting		X	X	X	1	Yes
ART115	Ceramics Portfolio		X	X	X	1	Yes
ART116	Drawing Portfolio		X	X	X	1	Yes
ART117	Painting Portfolio		X	X	X	1	Yes
ART611	Photography		X	X	X	1	Yes

The Fine Arts Department at Columbus Catholic consists of courses that are taught to provide experiences that will guide students to develop visual literacy, production and problem solving skills, knowledge of art history, and a desire to participate in art activities for the rest of their lives.

Course Descriptions

Ceramics

Category: Elective
05159 G 050 00

Ceramics introduces the fundamental practices for handling clay and forming functional pottery through hand-building techniques. Students will learn how to form their own pieces from wet clay, fire them in a kiln, and finish them with glaze.

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Foundations of Art

Ceramics Portfolio

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Ceramics

Category: Elective
05159 E 050 00

Ceramics Portfolio builds off the foundational skills of Ceramics class with emphasis placed on potter's wheel skills, individual style and themes, and experimentation. Students will learn basic potter's wheel skills, develop their mastery in hand-building techniques, practice custom sculpting techniques, and learn additional decorating techniques involving carving and glazing.

This class is intended for serious and motivated students who are willing to put extra time and effort into their artwork, and can develop their work semi-independently. A full semester portfolio will not be possible without time spent on art outside of class.

Drawing

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Foundations of
Art

Category: Elective
05156 G 050 00

Drawing introduces the technical skills for using drawing tools (pencil, colored pencil, and charcoal) to accurately describe objects from observation or develop compositions from imagination. Students will learn how to control the elements of line, value, shape, and proportion to draw portraits, objects in realistic detail, objects in perspective, and light and shadow.

Drawing Portfolio

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: Drawing

Category: Elective
05156 E 050 00

Drawing Portfolio is designed for student artists to develop their technical skills, and to explore their creative expression and visual communication skills through various drawing media. Drawing Portfolio stresses technical development of both realistic and imaginative drawing throughout all projects, with the end goal of a semester portfolio of work that showcases consistent themes and evidence of growth and experimentation. Projects are intended to challenge students to experiment with artwork made at a larger scale or level of detail, with the expectation that students will work their pieces to a mature and display-ready level.

This class is intended for serious and motivated students who are willing to put extra time and effort into their artwork, and can develop their work semi-independently. A full semester portfolio will not be possible without time spent on art outside of class.

Foundations of Art

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective
05154 G 050 00

This course provides an introduction to the many forms that art may take, to careers, art history, and art appreciation. Projects are organized on the fundamental elements and principles of art so that students will develop a foundational grasp on how to make their own artistic choices.

Mixed Media

Credits: 1

Offered to Grades: 9, 10, 11, 12

Category: Elective
05155 G 050 00

Prerequisite: Foundations of Art

After the fundamentals in Foundations of Art, the second course of art offers an opportunity to learn more complex techniques in a larger variety of art media. Quality of work, originality and the creative use of skills are emphasized.

Painting

Credits: 1

Offered to Grades: 10, 11, 12

Category: Elective
05157 G 050 00

Prerequisite: See Below

Painting introduces the fundamental practices of painting and technical skills of mixing color, painting with light and dark values, and painting shapes with hard and soft edges. Over the semester students will explore historical art genres, develop their art vocabulary, and develop their ability to create original compositions.

Required for registration:

1. Foundations of Art
 2. Drawing is Highly Recommended
-

Painting Portfolio

Credits: 1

Offered to Grades: 10, 11, 12

Category: Elective
05157 E 050 00

Prerequisite: Painting

Students in Painting Portfolio will take the foundational painting skills and elements learned in Painting (drawing, color, value, lines/edges, brushwork) and develop them freely in more complex compositions. Painting Portfolio stresses technical development of both realistic and imaginative painting throughout all projects, with the end goal of a semester portfolio of work that showcases consistent themes and evidence of growth and experimentation. Students are expected to experiment with both established genres/styles and their own style/artistic interpretation.

This class is intended for serious and motivated students who are willing to put extra time and effort into their artwork, and can develop their work semi-independently. A full semester portfolio will not be possible without time spent on art outside of class.

Photography

Credits: 1

Offered to Grades: 10, 11, 12

Category: Elective
05167 G 050 00

Prerequisite: See Below

Photography introduces practical technical knowledge of digital photography, as well as artistic concepts of photograph composition. Students will learn how to operate a DSLR camera, take intriguing photographs, and digitally enhance images in Photoshop.

Required for registration:

1. Foundations of Art
 2. Photoshop
-

Foreign Language Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
SPAN01	Spanish I	X	X	X	X	2	No
SPAN02	Spanish II	X	X	X	X	2	Yes
SPAN03	Spanish III		X	X	X	2	Yes
SPAN04	Spanish IV			X	X	2	Yes
SPAN06	Spanish for Native Speakers	X	X	X	X	2	Yes

The Foreign Language Department at Columbus Catholic consists of courses that are taught to prepare students for opportunities after graduation. College-bound students should carefully check entrance requirements at their intended schools with regard to grades and credits needed. Many colleges expect a grade of C- or better in your final semester of high school Foreign Language. Locally, the University of Iowa has the greatest expectations. It would be wise to check the college's graduation requirement as well. Again, check with the entrance and exit requirements to prepare best as possible. Please refer to the school counselor or the College/Career Program Director for further guidance.

Course Descriptions

Spanish I

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 24052 G 050 10; Second Semester: 24052 G 050 20

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Spanish II

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: Spanish I

Category: Elective

First Semester: 24053 G 050 10; Second Semester: 24053 G 050 20

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Spanish III

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: Spanish II

Category: Elective

First Semester: 24054 G 050 10; Second Semester: 24054 G 050 20

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

Spanish IV

Credits: 2

Offered to Grades: 11, 12

Prerequisite: Spanish III

Category: Elective

First Semester: 24055 G 050 10; Second Semester: 24055 G 050 20

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

Spanish for Native Speakers

Credits: 2

Offered to Grades: 9, 10, 11, 12

Category: Elective

First Semester: 24057 G 050 10; Second Semester: 24057 G 050 20

Spanish for Native Speakers is designed for students who already speak Spanish fluently and wish to deepen their literacy skills in the language. This course emphasizes authentic communication by refining students' abilities to interpret, exchange, and present information in a variety of formal and academic contexts. Students will engage in advanced reading and writing tasks, explore Spanish-language literature and current events, and develop a stronger command of grammar, vocabulary, and syntax. The course also promotes a deeper understanding of cultural identity and the diverse experiences of Spanish-speaking communities around the world.

Mathematics Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
MATH01	Algebra I	X	X	X	X	2	No
MATH51	Accelerated Algebra I	X	X	X	X	2	Yes
MATH25	Algebra I - Part A	X	X			2	No
MATH26	Algebra I - Part B		X	X	X	2	Yes
MATH02	Geometry	X	X	X	X	2	Yes
MATH52	Accelerated Geometry	X	X	X	X	2	Yes
MATH21	Algebra II		X	X	X	2	Yes
MATH61	Accelerated Algebra II		X	X	X	2	Yes
MATH53	Pre-Calculus			X	X	2	Yes
MATH154	AP Precalculus			X	X	2	Yes
MATH55	AP Calculus AB			X	X	2	Yes
MATH156	Statistics			X	X	1	Yes

The Mathematics Department at Columbus Catholic consists of courses that are taught to prepare students for real-world experiences and life after high school. Students have multiple opportunities to grow in their knowledge by having options for different pathways.

Course Descriptions

Accelerated Algebra I (A)

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: See Below

Category: Required

First Semester: 02052 H 050 10; Second Semester: 02052 H 050 20

Algebra I enables the student to experience mathematics in a variety of ways: patterns, working with formulas, graphing ideas, working with scientific calculators. Algebra is different from arithmetic; sometimes it may be harder, but often it is easier because there is less computation. This course is required for any student who plans to attend college. Students are expected to have and use a scientific calculator.

Required for registration:

1. Meet all requirements for accelerated courses listed above
2. Score on the IARA must meet qualifications

Accelerated Algebra II (A)

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: Geometry

Category: Required

First Semester: 02057 H 050 10; Second Semester: 02057 H 050 20

Accelerated Algebra II is a continuation of Accelerated Geometry. It reviews algebra skills with emphasis on advanced algebra problems. Analytic geometry, coordinate geometry, functions, graphing techniques, determinants and matrices are included in the topics in this course. Students are expected to have a scientific calculator.

Accelerated Geometry (A)

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: Acc. Algebra I

Category: Required

First Semester: 02072 H 050 10; Second Semester: 02072 H 050 20

Accelerated Geometry is the second course of the accelerated mathematics sequence. A background in algebra is necessary along with a very high interest in math and science. The format of the course is based upon a rigorous approach to complex algebraic concepts. The course will include a review of Algebra I, selected topics from Algebra II, geometry, logic and algebraic proof.

Advanced Placement (AP) Calculus AB (A)

Credits: 2

Offered to Grades: 11, 12

Prerequisite: Algebra II

Category: Elective

First Semester: 02124 H 050 10; Second Semester: 02124 H 050 20

AP Calculus will cover topics including functions; continuity; limits; the derivative; differentiation from graphical, numerical and analytical viewpoints; optimization and modeling; rates and related rates; the definite integral; antiderivatives from graphical, numerical and analytical viewpoints. Consistent emphasis will be placed on applying derivatives and integrals to real world scenarios. Students will learn in-depth techniques to use a TI-84+ graphing calculator and are encouraged to have one of their own. A primary goal of this course is to help students prepare to successfully complete the AP Calculus exam in early May.

Advanced Placement (AP) Precalculus

Credits: 2

Offered to Grades: 11, 12

Prerequisite: Algebra II

Category: Elective

First Semester: 02114 H 050 10; Second Semester: 02114 H 050 20

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Algebra I

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Required

First Semester: 02052 G 050 10; Second Semester: 02052 G 050 20

Algebra I enables the student to experience mathematics in a variety of ways: patterns, working with formulas, graphing ideas, working with scientific calculators. Algebra is different from arithmetic; sometimes it may be harder, but often it is easier because there is less computation. This course is required for any student who plans to attend college. Students are expected to have and use a scientific calculator.

Algebra I - Part A

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: See Below

Category: Required

First Semester: 02053 B 050 10; Second Semester: 02053 B 050 20

Algebra 1A is a course designed for students who want the traditional Algebra 1 course content at a slower pace. Course content will be nearly identical to that of traditional Algebra 1, but will take place over two years. Successful completion of Algebra 1A in the current school year will be followed with Algebra 1B the following year.

Required for registration:

1. Recommendation for 8th Grade Teacher
 2. Assessment Scores (i.e. - ISASP, FAST, Unit Assessments, etc.)
 3. Must maintain a C- average in the course
-

Algebra I - Part B

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: Algebra IA

Category: Required

First Semester: 02054 B 050 10; Second Semester: 02054 B 050 20

Algebra 1B is a course designed for students who want the traditional Algebra 1 course content at a slower pace. Course content will be nearly identical to that of traditional Algebra 1, but will take place over two years. Successful completion of Algebra 1B will complete the series of Algebra I standards.

Algebra II

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: Geometry

Category: Required

First Semester: 02056 G 050 10; Second Semester: 02056 G 050 20

Algebra II provides a review of basic algebra and a deeper understanding of algebraic systems. It includes geometry integrated with algebra. Reading and problem solving are emphasized throughout. This course is required for any student who plans to attend college.

Geometry

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: Algebra I

Category: Required

First Semester: 02072 G 050 10; Second Semester: 02072 G 050 20

Geometry integrates algebraic concepts into the development of basic methods of plane, coordinate and special geometry. Clarity of thinking in a logical manner is stressed through inductive and deductive reasoning. The importance of precision and clarity of language is emphasized in both mathematical and non-mathematical situations.

Pre-Calculus

Credits: 2

Offered to Grades: 11, 12

Prerequisite: Algebra II

Category: Elective

First Semester: 02110 G 050 10; Second Semester: 02110 G 050 20

Pre-Calculus challenges even the most gifted math student with a higher level of mathematical skills and problem solving. All previous math course work will be reviewed and reinforced. Functions and their graphs (including higher degree polynomials, rational functions, exponential and logarithmic functions and trigonometric functions), complex numbers, sequences and series, and analysis will be studied in depth and calculus will be introduced and applied.

Statistics

Credits: 1

Offered to Grades: 11, 12

Prerequisite: Algebra II

Category: Elective

02205 G 050 00

This course is a study of descriptive statistics including graphical representation, central tendency, correlation and regression, intuitive treatment of probability and inferential statistics including hypothesis testing.

Music Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
MUSC02	Band	X	X	X	X	2	No
MUSC01	Chorus	X	X	X	X	2	No
MUSC03	Group Piano	X	X	X	X	1	No

The Music Department at Columbus Catholic offers a variety of options including concert band, pep band, and individual student lessons. Students will prepare band literature to develop cultural awareness and ensemble skills. Students will develop skills in rhythm and note reading. Students will also study history and theory relevant to the music being played. Band students play arrangements of popular music to entertain crowds at sporting events. Individual 15-minute lessons will be provided, which take place approximately 4 times throughout the semester, to develop technique on his/her instrument. Small groups, individuals, and the entire Band (when possible) may perform as part of worship at school liturgies. Spiritual growth and worship through music are two appropriate goals of the Band at Columbus Catholic High School.

Course Descriptions

Band

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 05102 G 050 10; Second Semester: 05102 G 050 20

Students attend Concert Band rehearsal during the school day. The Concert Band works to prepare band literature in order to develop cultural awareness and ensemble skills. Students will develop skills in rhythm and note reading. Students will also study history and theory relevant to the music being played. Students in band will also have 15-minute lessons approximately 4 times throughout the semester to focus on developing techniques of their instruments. Other requirements, such as pep band, Solo/Ensemble Contests, and performances at school liturgies may also be part of the class. **NOTE: Fees: \$25 instrument rental, \$25 fine arts fee**

Choir

Credits: 2

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective

05110 G 050 00

Discover the joy of singing together in our choir course! Students will explore vocal techniques, harmony, and ensemble performance while diving into a diverse repertoire spanning various musical genres. Through rehearsals, performances, and vocal exercises, students will develop their musicality, teamwork, and confidence in a supportive and collaborative environment.

Group Piano

Credits: 1

Offered to Grades: 9, 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 05107 G 050 10; Second Semester: 05107 G 050 20

Explore the world of piano in a fun and interactive group setting! This course introduces students to fundamental piano techniques, note reading, basic music theory, and ensemble playing. Through engaging activities and repertoire ranging from classical to contemporary styles, students will develop their musical skills and foster a love for playing the piano together.

Physical Education Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
PE06 (or 07)	PE / Health 1 & 2	X				1	No
PE02 (or 03)	Activities 1 & 2		X	X	X	1	Yes
PE04	Weight Training		X	X	X	1	Yes

The Physical Education Department at Columbus Catholic is designed to offer diversity, choice and ultimately more awareness of lifetime fitness/health issues for our students. Each of the classes below meet state physical education requirements. Students are exposed to a variety of individual, team, and lifelong activities. Opportunities will be provided to develop further skills of responsibility, stress management in competitive situations, leadership and self-esteem as well as social skills.

Course Descriptions

Activities 1 & 2

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: PE/Health

Category: Required

First Semester: 08001 G 050 10 Second Semester: 08001 G 050 20

The goal for this course is to prepare students to lead healthy, active lifestyles by offering them opportunities to practice the skills needed to do so. Students will participate in a wide variety of individual, team, and leisure and lifetime activities while utilizing heart rate monitoring technology. Activities include tchoukball, pickleball, eclipse ball, yard games, volleyball, basketball, CrossNet, and golf. Many individual and team activities will be addressed with a focus on an active lifestyle when you graduate. Skills of games, cooperation, competition, fitness, and having fun are key components of this class. Many activities will be introduced and active participation is a major expectation. In addition to indoor and outdoor activities, the use of our strength and conditioning room will be offered.

PE / Health 1 & 2

Credits: 1

Offered to Grades: 9

Prerequisite: None

Category: Required

First Semester: 08101 G 050 10 Second Semester: 08101 G 050 20

The goal for this course is to prepare students to lead healthy, active lifestyles by offering them opportunities to practice the skills needed to do so. In physical education, students will participate in a wide variety of individual, team, and lifetime activities while utilizing heart rate monitoring technology. While in health class, students will practice skills related to self-management, stress management, communication, conflict resolution, goal setting, and decision making.

Weight Training

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: PE/Health

Category: Elective

First Semester: 08009 G 050 10 Second Semester: 08101 G 050 20

This course places a significant focus on enhancing muscular strength, endurance, flexibility, and safety measures. Ensuring weight room safety, implementing proper warm-up and cool-down procedures, refining lifting techniques, and emphasizing safety for all exercises are integral aspects covered in the course. Additionally, students will gain knowledge in major muscle identification and learn the art of setting individualized fitness goals. Throughout the semester, participants will actively track and enhance their overall fitness levels.

Science Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
SCI101	Physical Science	X				2	No
SCI02	Biology		X			2	No
SCI03	Chemistry			X	X	2	No
SCI30	Principles of Technology		X	X	X	2	No
SCI54	Physics			X	X	2	Yes
HCCBIO112	General Biology (Hawkeye Credit)			X	X	2	Yes
SCI62	Human Biology			X	X	1	Yes
SCI05	Ecology			X	X	1	Yes
SCI10	Applied Scientific Analysis - CSI			X	X	1	Yes
SCI70	Jurassic Park			X	X	1	Yes
SCI18	AP Chemistry			X	X	2	Yes

The Science Department at Columbus Catholic consists of courses that teach topics throughout the multiple domains of science. All the science courses are aligned to the Next Generation Science Standards (NGS-S). It is recommended that students check with their post-secondary institutions to determine what courses they will need to complete for entrance.

Course Descriptions

Advanced Placement (AP) Chemistry (A)

Credits: 2

Offered to Grades: 11, 12

Prerequisite: Chemistry

Category: Elective

First Semester: 03106 H 050 10; Second Semester: 03106 H 050 20

This course is designed to be the equivalent of a college introduction to chemistry course usually taken during students' first year of college. An end of the year cumulative test must be taken to receive college credit for the course. Topics covered in this course will include atomic structure and properties, molecular and ionic compound structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, applications of thermodynamics.

**Advanced Placement (AP)
Environmental Science (A)**

**Credits: 2
Offered to 11, 12
Grades:**

Category: Elective

Prerequisite: See Below

First Semester: 03207 H 050 10; Second Semester: 03207 H 050 20

AP Environmental Science is equivalent to a college-level introductory environmental science course and offers the opportunity to earn a college credit. Students will analyze the impact of human activity on the environment as well as the impact of environmental issues and conditions on everyday human life. Topics of study include natural resource management, pollution, land and water usage, sustainability, and global change. Students should note that 25% of instructional time is spent in labs and field work, making this exciting course hands-on and enriching.

Required for registration:

1. Completed Physical Science and Biology

**Applied Scientific Analysis
- Crime Scene**

**Credits: 1
Offered to Grades: 11, 12**

Investigations

Category: Elective

Prerequisite: See Below

03214 G 050 00

This course is intended to interest students in science by involving them in actual scientific skills and strategies that are used by crime investigators. The course is designed to be a hands-on, lab-oriented class. Students must be able to work with the microscope, chemicals, electrophoresis, chromatography, and other biological and chemical tools. It will require accurate observing, being able to make comparisons, and drawing reasonable and accurate conclusions.

Required for registration:

1. Minimum 2 years of Science
2. Biology completed

Biology

**Credits: 2
Offered to Grades: 10**

Category: Required

Prerequisite: None

First Semester: 03051 G 050 10; Second Semester: 03051 G 050 20

Biology is a course beginning with the study of a simple cell, its structure and functions, and progressing to multicellular organisms, their structures and activities. This course will include classification, DNA controls, genetics, ecology, evolution, and comparative systems concepts.

Chemistry

**Credits: 2
Offered to Grades: 10, 11, 12**

Category: Required

Prerequisite: None

First Semester: 03101 G 050 10; Second Semester: 03101 G 050 20

Chemistry is a physical science. It is the study of materials, their composition and structure and the changes they undergo. It is a body of systematized knowledge gained from observation, experimentation and intense study. The goal of this class is to help prepare students for entry level chemistry courses in college.

Ecology

Credits: 1

Offered to Grades: 11, 12

Prerequisite: None

Category: Elective

03003 G 050 00

Ecology is the study of living things and the delicate balance they have achieved with their environment. The units of study will include an introduction to science, food webs and energy flow, nutrient cycles, soil, populations, human populations, terrestrial biomes and freshwater ecosystems.

General Biology I / II

Credits: 2

Offered to Grades: 11, 12

Prerequisite: None

Category: Elective

First Semester: 03051 C 056 10; Second Semester: 03051 C 056 20

College Credit: 4 (Hawkeye Community College)

This lecture and laboratory course is the first of a two semester sequence designed for students with a specific interest in majoring in the biological sciences or a desire for a more comprehensive undergraduate course in the discipline. The course integrates the basic principles of general biology and focuses on their interrelationships. The major themes addressed include levels of organization, cell structure and metabolism, the genetic basis of life, evolution, diversity and ecological relationships. Laboratory exercises are coordinated with lecture topics to enhance the student's understanding of these topics.

Human Biology

Credits: 1

Offered to Grades: 11, 12

Prerequisite: Biology

Category: Elective

03053 G 050 00

Human Biology students will study the skeletal, muscular, nervous, endocrine and circulatory systems of the human body. Students will also learn medical terminology and position terms. Instruction will be given in current research being done in all fields of human anatomy and physiology.

Jurassic Park (Particular Topics in Biology)

Credits: 1

Offered to Grades: 11, 12

Prerequisite: None

Category: Elective

03063 G 050 00

Students will work in the following areas: biology, ecology, earth science, environmental science, topographic mapping, biotechnology, geology, archaeology and animal behavior. The end product will be an animal park based on a prehistoric time period. Students will create a diorama and a detailed map of their park. They will present their final project to the class.

Physical Science

Credits: 2

Offered to Grades: 9

Prerequisite: None

Category: Required

First Semester: 03159 G 050 10; Second Semester: 03159 G 050 20

In addition to introducing students to basic terms and concepts used in physical science, this mandatory introductory course will develop basic process study skills of: observing, classifying, measuring, inferring, and predicting. Students will learn and practice efficient ways to: read in the content area, take notes, formulate hypotheses, conduct experiments, interpret data, work synergistically, as well as to organize and communicate the process and results of scientific investigations and technological design projects.

Physics

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: See Below

Category: Elective

First Semester: 03151 G 050 10; Second Semester: 03151 G 050 20

Physics is the study of material objects: what are they made of and what they can do. Students anticipating taking introductory physical science courses in college are strongly urged to enroll in this course which uses: careful measurement, trigonometry, algebra, and reasoning-skills to: investigate physical constants such as the speed of sound, speed of light, index of refraction, etc.

Required for registration:

1. At minimum Algebra II
-

Principles of Technology

Credits: 2

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

First Semester: 03153 G 050 10; Second Semester: 03153 G 050 20

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, mathematics labs, and applied laboratory experiments are an integral part of the class. These courses enables students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields.

Social Studies Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
SOC01	World History I & II	X				2	No
SOC53	Accelerated World History I & II	X				2	Yes
SOC02	We the People		X			1	No
SOC03 (or 13)	US History I & II			X		2	No
SOC17	AP US History			X	X	2	No
SOC04	US Government				X	1	No
SOC52	Modern European History				X	2	Yes
SOC15	Ancient Civilizations		X	X	X	1	No
SOC07	Current World Issues	X	X	X	X	1	No
SOC09	Economics & Financial Literacy		X	X	X	1	No
SOC08	Psychology		X	X	X	1	No
SOC10	US History through Film		X	X	X	1	No
SOC12	World Area Studies: Focus on Russia		X	X	X	1	No

The Social Studies Department at Columbus Catholic consists of courses that support the following three components: the study of basic content/knowledge which explores the causes and consequences of human behavior; the development of skills, attitudes, and values needed to perform their adult roles in an ever changing world; a christian environment which encourages active student participation.

Course Descriptions

Ancient Civilizations

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
04058 G 050 00

This course will examine world history from Ancient Rome and Greece, through the Medieval Period and into the High Middle Ages and Renaissance. Students will explore the governments, wars, literature, philosophies, art, music, and sciences of each period through primary sources.

AP US History

Category: Elective
04104 A 050 00

Credits: 2
Offered to Grades: 11, 12
Prerequisite: None

AP U.S. History is an engaging and rigorous course that offers high school students an opportunity to earn college credit while exploring the rich tapestry of events, people, and ideas that have shaped the United States. Throughout the course, students will develop a deep understanding of historical facts and interpretations, learning to analyze primary sources and historical documents. Critical thinking and analytical writing skills are emphasized, as students prepare for the AP examination through debates, discussions, and essay writing. This course not only delves into the chronological progression of U.S. history but also examines the social, cultural, and political underpinnings that have influenced the nation's development and identity.

Current World Issues

Category: Elective
04064 G 050 00

Credits: 1
Offered to Grades: 10, 11, 12
Prerequisite: None

Explore the complexities of global affairs in Current World Issues. This dynamic social studies class delves into pressing challenges like climate change, geopolitical conflicts, and economic disparities. Through discussions, activities, and critical analysis, students gain insight into the interconnectedness of world events and develop skills to become informed, engaged citizens capable of making a positive impact. Join us in understanding, analyzing, and addressing current world issues.

Economics (Financial Literacy)

Category: Elective
04201 G 050 10

Credits: 1
Offered to Grades: 10, 11, 12
Prerequisite: None

Economics is designed to introduce students to both an understanding of basic economic theory and American businesses. Students are first introduced to the theories, and then are given the opportunity to see how these theories apply in the business world. As a part of this course, students will operate a small business of their own. During the second part of the course, students will take part in an economic computer simulation game in which they act as a management team for a company. During both the student business and the computer simulation parts of the class, students will be putting their economic knowledge to work. Economics will also teach students financial literacy.

Modern European History (A)

Credits: 2

Offered to Grades: 12

Prerequisite: See Below

Category: Elective

First Semester: 04055 H 050 10; Second Semester: 04055 H 050 20

Modern European History will cover European History from the Mid-17th Century up to present time. The class will still focus on the different intellectual, social, political, economic and diplomatic events that occurred in this time and would shape history during this time period. Special emphasis will be placed on the study of both World War I and World War II in regard to both cause and effect.

Required for registration:

1. *Passing Grade in All Required Social Studies Courses (excluding US Government)*
-

Sociology

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

04258 G 050 00

Sociology introduces students to the study of human society, social behavior, and group dynamics. Students will explore topics such as culture, socialization, inequality, institutions, and social change. Through discussion, projects, and real-world application, students will develop a deeper understanding of how society influences individuals and how individuals influence society.

****Offered Alternating Years (opposite Psychology)**

US Government

Credits: 1

Offered to Grades: 12

Prerequisite: None

Category: Required

04151 G 050 00

U.S. Government is a course which examines the workings of the American system of government. Students will study the basics of how our federal, state, and local governments function under the Constitution of the United States. The practical and contemporary aspects of government are examined by studying the formation and development of political parties, voting rights, the criminal justice system, the separation of powers, and civil liberties issues.

US History I and II

Credits: 2

Offered to Grades: 11

Prerequisite: None

Category: Required

First semester: 04102 G 050 10; Second semester: 04103 G 050 20

U.S. History I examines the following topics: Westward Expansion; Civil War and Reconstruction; Industrialization; Politics and Immigration in the Gilded Age; American Expansion and World War I.

U.S. History II examines the following topics: Peace and Prosperity of the 1920s; Depression and New Deal; World War II; 1950s and Korea; 1960s and Civil Rights; Vietnam; 1970s; 1980s; 1990s; 21st century.

US History Through Film

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

04149 G 050 00

Students will get to watch films dedicated to a certain person, event or era of US History. Prior to watching the movie, students will learn about the historical factors connected to the movie. Students will do this through learning in a variety of ways to help students understand the time period. After watching the film, students will compare the movie to actual events that took place in history.

We The People

Credits: 1

Offered to Grades: 10

Prerequisite: None

Category: Required

04160 G 050 00

We The People, a civics course, is an intense study of how the constitution came into existence and why it took the form it did. After this brief historical review of our founding fathers efforts, students will be presented with real controversies (involving our Bill of Rights) and assigned to participate (as citizens) in the solving of these problems. Through this the student will gain a better understanding of their role as citizens, as well as the responsibilities that accompany that role.

World Area Studies: Focus on Russia

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

04061 G 050 00

This course will survey Russian history from its origins in the 9th century, to the dominant reign of the Romanovs until WWI, and continue through the fall of the Soviet Union and concluding with observation of the modern country that exists today. Learning targets in this class will include; explaining the origins and development of the Russian state and people, evaluating the impact of a series of Soviet and Russian leaders on the world, and applying theories of politics and society to Russian History.

World History I & II

Credits: 2

Offered to Grades: 9

Prerequisite: None

Category: Required

First Semester: 04051 G 050 10; Second Semester: 04053 G 050 20

World History I is a survey course of world events from 1815 to 1920. It will focus on the following: the Age of Revolutions, the Industrial Revolution, the growth of Nation-states and the rise of nationalism, the Age of Imperialism, World War I and the Russian Revolution.

World History II is a survey course of world events from 1920 to present times. It will focus on the rise of totalitarianism, World War II, the Cold War, Nationalism and the independence movement in Asia and Africa, the rise of third world nations, the fall of Communism, and the study of current world events.

Accelerated World History I & II

Credits: 2

Offered to Grades: 9

Prerequisite: See Below

Category: Required

First Semester: 04051 G 050 10; Second Semester: 04053 G 050 20

This course is designed for students who have demonstrated strong academic performance in social studies and wish to be challenged with a more rigorous curriculum. Accelerated World History covers the same time periods and topics as World History I and II, but with greater depth, a faster pace, and an emphasis on inquiry, analysis, and critical thinking. Students will complete more in-depth research and writing assignments. This course prepares students for advanced coursework in the social sciences.

See Accelerated Course Prerequisites

Theology Course Offerings

Courses at a Glance

Course Number	Course Title	9	10	11	12	Credits	Recommended Prerequisites
THEO101	Old Testament	X				1	No
THEO06	The Mission and Ministry of Jesus	X				1	No
THEO107	New Testament		X			1	No
THEO117	Morality (Life in Jesus Christ)			X		1	No
THEO04	Covenant Living		X	X	X	1	No
THEO08	The Church		X	X	X	1	No
THEO09	Sacraments		X	X	X	1	No
THEO10	Philosophy of the Catholic Church		X	X	X	1	No
THEO14	Christian Service		X	X	X	1	Yes
THEO25	Evangelization & Apologetics		X	X	X	1	No
THEO19	Prayer and Spirituality		X	X	X	1	No
THEO24	Peace		X	X	X	1	No

Theology Department Messaging

“Love One Another As I Have Loved You” - Jesus Christ

The Theology curriculum at Columbus Catholic High School is a study and an experience of our loving God as expressed in the Catholic Christian faith. It provides students an opportunity to come to know Jesus Christ more fully in their daily lives. The learning environment fosters Christian attitudes necessary for a mature faith response to Jesus Christ.

Through instruction in theology, students acquire knowledge of basic Catholic teaching and an understanding of how God communicates in today's world. Through class instruction, worship, prayer, and service, students develop a growing awareness of, and appreciation for the spiritual dimensions of their lives, the need for a healthy self-esteem, attitudes of caring and tolerance, a commitment to justice and peace, and the need for lifelong personal growth.

In providing opportunities to ask questions and seek the truth, students are encouraged and challenged to develop a personal faith relationship with Jesus Christ and to be prepared to witness this faith in the community.

Students are required to take one theology course each semester they are enrolled at Columbus Catholic High School, totalling a minimum of 8 credits for 4 years of enrollment. The first 4 credits will come from the Scripture and Creed courses. For the final 4 credits, the student must complete 4 elective courses.

****** Prayer and Spirituality can be taken more than once during your high school career. However, it will only fulfill the theology credit requirement once; any subsequent semesters, they will count as an elective credit.

Concurrent theology courses can be taken for dual credit, including high school graduation credit, upon approval by the school board. Syllabus and/or course work must be provided prior to registration in the course.

Course Descriptions

Christian Service

Credits: 1

Offered to Grades: 11, 12

Prerequisite: See Below

Category: Elective

07998 G 050 00

Students will meet in the classroom for orientation at the beginning of the course after which they will go out to give service at their assigned location. Fifty hours of service is required.

Required for registration:

- 1. Students who are representing Columbus Catholic through community service must not have any truancies in the previous school year.*
- 2. Unauthorized absences from assigned service locations will result in failure for the quarter grade.*

Covenant Living

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

07015 G 050 00

The purpose of this course is to aid students in facing the challenges of young adulthood, so they may shape a future that is hopeful, healthy, and full. A Christian lifestyle is presented as an optimal way to grow and be fully alive. Matrimony, consecrated life, single life will be considered and discernment will be a focus as a means to determining God's call for us.

Evangelization & Apologetics

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
07016 G 050 00

Embark on a transformative journey of faith and leadership in our Evangelization and Apologetics course. This unique opportunity empowers students to take an active leadership role within our community, guiding them through the organization and planning of prayer services and Masses within the school, and fostering engagement with the broader faith community. As they delve into the rich tradition of Catholicism, students will not only deepen their understanding of the teachings of Christ and His Church but also acquire the essential skills of Apologetics, enabling them to articulate and defend these beliefs with clarity and confidence. Through rigorous study and thoughtful discourse, participants will navigate both historical and contemporary issues, emerging as strong and articulate defenders of the Catholic faith. Join us in this dynamic exploration where faith and leadership converge, preparing you to be a beacon of light in our ever-changing world.

Morality (Life in Jesus Christ)

Credits: 1

Offered to Grades: 10

Prerequisite: None

Category: Required
07013 G 050 00

Your Life in Christ: Foundations of Catholic Morality. The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives and decision making of Christ's disciples. United States Conference of Catholic Bishops (USCCB) Curriculum.

New Testament

Credits: 1

Offered to Grades: 10

Prerequisite: None

Category: Required
07009 G050 10

Christ's Mission; The Paschal Mystery. The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. United States Conference of Catholic Bishops (USCCB) Curriculum.

Old Testament

Credits: 1

Offered to Grades: 9

Prerequisite: None

Category: Required
07001 G 050 00

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible students will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. Students will pay particular attention to the Old Testament, where they will get a foundation for the Judeo-Christian faith. United States Conference of Catholic Bishops (USCCB) Curriculum.

Peace

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
07014 G 050 00

The purpose of this course is to look critically at our lives, our society and our world so that the students may learn information, change behaviors, and take action according to Jesus' message. The foundation will be based on the body of teaching known as the Catholic Social Teaching Principles.

Philosophy of the Catholic Church

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
07018 G 050 00

Our Catholic faith has a rich philosophical history. In this course, students will be introduced to basic philosophical concepts, important philosophical ideas and individuals in Catholic history and thought, and how to think logically and rationally. Students in this course should be prepared to read and discuss deep and provoking writers.

Prayer and Spirituality

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective
07012 G 050 00

"Let your religion be less of a theory and more of a love affair." - G.K. Chesterton.
The Spirituality and Prayer course is for those students who seriously want to develop their relationship with God. The class centers on prayer, the Eucharist, and sharing of faith. Students will participate in the Mass, spiritual reading of Catholic giants of faith, sharing of faith with other students, individual prayer, group prayer, and a retreat experience. During this semester, students will spend less time learning dogmatic ideas about God and more time applying the faith they have learned to work in developing their souls.

Sacraments

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

07011 G 050 00

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. United States Conference of Catholic Bishops (USCCB) Curriculum.

The Church

Credits: 1

Offered to Grades: 10, 11, 12

Prerequisite: None

Category: Elective

07009 G050 20

Christ's Mission continues in the Church. The purpose of this course is to help students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living body of Christ today. The Body has both divine and human elements. In this course, students will learn about events and people in the life of the church and about the sacred nature of the Church. They will also be introduced to the Liturgical Seasons. United States Conference of Catholic Bishops (USCCB) Curriculum.

The Mission and Ministry of Jesus

Credits: 1

Offered to Grades: 9

Prerequisite: None

Category: Required

07006 G 050 00

Who is Jesus Christ? The purpose of this course is to dive deeper into the origins of our faith and to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be. United States Conference of Catholic Bishops (USCCB) Curriculum.

Appendix A: Edgenuity Courses

Edgenuity is an online system that provides high-quality online courses to school districts.

This is for:

- Courses not offered at the school district
- Alleviate a scheduling conflict
- Credit recovery
- For homebound students
- For alternative education

Students should visit with the school counselor for more information regarding available courses and interest in pursuing online education. These courses have a minimum fee of \$300 per semester. This is in addition to tuition for Columbus Catholic High School.

Appendix B: Waterloo Career Center Courses

Below is a list of courses offered by the Waterloo Career Center students can select from. The list is subject to change. Please review the course descriptions by accessing the [Waterloo Schools High School Course Guide](#) (pages 29 to 48).

	Course Title	9	10	11	12		Credits
Advanced Manufacturing							
ADM340	Introduction to Robotics			X	X		2
IND314	Machine Trade Print Reading I*			X	X		2
IND320	Intro to CNC Programming I*		X	X	X		1
IND349	Basic Machine Theory*			X	X		1
IND352/IND353	IGNITE I- Program at East and West Only	X	X	X	X		1
IND 356/IND357	IGNITE II- Program at East and West Only	X	X	X	X		1
IND383	Introduction to 3D Modeling*			X	X		2
Agri-Science							
AGR310	Principles of Agronomy*			X	X		2
AGR320	Farm Business Management*			X	X		2
CASE (Curriculum for Agricultural Science Education) Courses							
AGR100	Introduction to Agriculture, Food & Natural Resources		X	X	X		2
AGR110	Principles of Agricultural Science-Plant		X	X	X		2
AGR120	Principles of Agricultural Science-Animal		X	X	X		2
AGR130	Natural Resources and Ecology		X	X	X		2
AGR140	Food Science and Safety		X	X	X		2
Beauty and Wellness							
BAW310	Introduction to Beauty and Wellness			X	X		2
BAW320	Beauty and Wellness Career Path			X	X		2
Business and Marketing Management							
BUS310	Introduction to Business*			X	X		2
BUS220	Introduction to Accounting*			X	X		2
BUS320	Introduction to Accounting II*			X	X		2
BUS322	Sports Marketing*			X	X		2
BUS324	Principles of Marketing*			X	X		2
BUS325	Principles of Management*			X	X		2
BUS327	Principles of Selling*			X	X		2
BUS343	Personal Finance*			X	X		2
BUS348	Small Business Management*		X	X	X		2
Criminal Justice / Police Science							
CRJ310	Criminal Investigation*			X	X		2
CRJ320	Juvenile Justice*			X	X		2
SOC341	Criminology*❖			X	X		2

SOC345	Introduction to Criminal Justice*			X	X		2
Culinary							
FCS215	ProStart Culinary Level I		X	X	X		2
FCS315	ProStart Culinary Level II		X	X	X		2
Digital Mass Media							
COM229	Motion Graphics for Video		X	X	X		2
COM220	Desktop Publishing*			X	X		2
DMM310	Video Production I*		X	X	X		2
DMM320	Audio Production*		X	X	X		2
Early Childhood Education							
FCS415	Introduction to Early Childhood Education*			X	X		2
FCS417	Early Childhood Curriculum I*			X	X		2
FCS419	Child Health, Safety, and Nutrition*			X	X		2
FCS421	Early Childhood Guidance*			X	X		2
Electrical Construction Trades							
ECT310	NEC 1		X	X	X		2
ECT320	NEC 2		X	X	X		2
ECT330	Advanced Electricity			X	X		2
Fire Science / Emergency Medical Services							
CAR340-CW	Principles of Emergency Services*			X	X		2
CAR495	Emergency Medical Technician I*			X	X		2
CAR496	Emergency Medical Technician II*			X	X		1
CAR497	Emergency Medical Tech II Clinical*			X	X		1
Graphic Design							
ART205	Drawing and Composition*			X	X		2
COM220	Desktop Publishing*			X	X		2
COM223	Graphic Imaging*			X	X		2
COM415	Camera I*		X	X	X		2
Health Core							
CAR329	Intro to Health Professions			X	X		2
CAR328	Medical Terminology*			X	X		2
SCI472-CW	Human Biology*❖			X	X		2
SCI480	Nutrition*			X	X		2
SCI481	Human Anatomy and Physiology I*❖			X	X		2
SCI482	Human Anatomy and Physiology II*❖			X	X		2
Hospitality Management							
FCS318	Hospitality & Tourism Exploratory	X	X	X	X		1
FCS329	Menu Planning and Design*	X	X	X	X		1
FCS326	Event Planning & Customer Service*		X	X	X		2
FCS328	Introduction to Hospitality*		X	X	X		2
K-12 Teacher Education							

CAR337	Technology in the Classroom*			X	X		2
CAR338	Foundations of Education*			X	X		2
CAR486	Including Diverse Learners*			X	X		2
CAR487	Academic Service Learning*			X	X		2
Networking, Web Development, and Cybersecurity							
COM226	Intro to Programming Logic*			X	X		2
NWC310	Intro to Game Development			X	X		2
NWC320	Introduction to Web Development*			X	X		2
NWC330	Cyber 1	X	X	X	X		2
NWC340	Intro to Cybersecurity*		X	X	X		2
NWC350	Introduction to Database*		X	X	X		2
NWC360	Programming for Network Administrators*			X	X		2
NWC370-CW	College Experience*			X	X		.5
Plumbing Technician							
PLT310	Plumbing Theory			X	X		2
PLT320	Plumbing Practices			X	X		2
PLT330	Piping Layout & Welding			X	X		2
Power Tech Academy							
AUT310	Introduction to Automotive Technology*			X	X		2
AUT320	Introduction to Automotive Technology II*			X	X		2
AUT330	Introduction to Collision Repair*			X	X		2
AUT340	Automotive Engine Repair*			X	X		2
AUT350	Gas Engine Rebuild*			X	X		2
Pre-Nursing							
CAR323	Nurse Aide*			X	X		3
Sustainable Construction & Design							
IND220	Intro to Residential Construction*		X	X	X		1.75
IND361	Construction Safety*		X	X	X		.25
IND362	Building Science I *		X	X	X		.5
IND365	Site Layout and Blueprint Reading*		X	X	X		.5
IND382	Carpentry Fundamentals*		X	X	X		2
IND385	Construction Comprehensive		X	X	X		1

Liberal Arts Courses

*Denotes the course is accepted in the Regents-Approved Index (RAI) of courses. The letters G, H, E, or C must be in the coding to be an approved course. Generally, S coded courses do not count in the RAI

Appendix C: Concurrent Course Offerings

Below is a list of courses offered for dual credit (both High School and College credit) students can select from. Note that this list is subject to change.

Online Courses	
HSC-108	Intro to Health Professions
HSC-113	Medical Terminology
ENG-105	Composition I
ENG-106	Composition II
HIS-151	US History to 1877
HIS-152	US History since 1877
BIO-151	Nutrition
MKT-110	Principles of Marketing
MGT-101	Principles of Management
SPC-101	Fundamentals of Oral Communication
BUS-102	Intro to Business
BIO-168	Human Anatomy & Physiology I w/ lab
BIO-173	Human Anatomy & Physiology II w/ lab
BIO-154	Human Biology
CRJ-100	Intro to Criminal Justice
CRJ-316	Juvenile Justice
EDU-210	Foundations of Education
EDU-246	Including Diverse Learner
EDU-255	Technology in the Classroom
CRJ-200	Criminology
MAT-156	Statistics

PSEO Courses	
RELS 1020	Religions of the World
MATH1421	Calculus II
ENGLISH3715/5715	Poetry
HUM3128	Africa
HUM3127	Middle East
CSD3190	American Sign Language
ANTH1001	Human Origins
EARTHSCI1100	Astronomy
SOC1000	Intro to Sociology

Appendix D: Physical Education Class Waiver

Typically, students are required to take Activities once a year for 3 years. However, there are circumstances where a student may be waived from Activities. In order to be waived from the Physical Education requirement, students must meet one of the following conditions:

1. Students have a medical reason to be waived from PE.
2. Activities or PE/Health curriculum conflicts with the students' religious beliefs.
3. Students are participating in a sport that semester.
4. Students are taking a rigorous course load** that conflicts with PE.

In order to be waived from PE, students need to have a conversation with the school counselor and their guardians need to complete a PE Waiver permission form. Students can pick up a waiver form while registering for courses or during the course change period during the first two weeks of the semester.

**Rigorous course load is defined as:

1. Taking a combination of two or more of the following: Concurrent classes, WCC classes, and/or AP classes
2. A full course load that does not allow space for a PE class



Columbus Catholic High School

2025-2026 PE Waiver Request Form

Student Name: _____

Grade:

9th

11th

10th

12th

Students at Columbus Catholic High School are required to be enrolled in a physical education course. Please select the reason your student should be waived from this requirement:

- Medical Reason (include a doctor's note)
- Religious Exemption (include note from religious leader)
- Sports participation – needs renewal each semester (*Grade 12 Students Only*)
 - 1st Semester: _____
 - 2nd Semester: _____

Rigorous course load**

**Rigorous course load is defined as:

1. Taking a combination of two or more of the following: Concurrent classes, WCC classes, and/or AP classes
2. A full course load that does not allow space for a PE class

PLEASE NOTE: If your student is waived due to their college courses and later drops a college course mid-semester, they will be placed in Activities.

PE Waiver Requests must be completed with required documentation and returned to the Student Services office by the end of the second week of the semester.

Guardian Signature: _____ Date: _____

Office Use Only

Student Services Approval: _____ Date: _____

Appendix E: Individual Career and Academic Planning (ICAP) Requirements

The Individual Career and Academic Plan (ICAP) requires each school district to ensure each student reviews and revises an individualized career and academic plan each year beginning in 8th grade and continuing until graduation. ICAP is a series of high quality career-related activities and experiences that provide a platform for students to engage in the development of self-reflection, career research and exploration of postsecondary opportunities, and apply and align their learning with their personal path and goals.

The following ICAP activities need to be completed during the corresponding year in school and are the minimum requirements necessary for graduation. Most of the tasks required will be completed in the Naviance® platform. Students and parents should contact the College & Career Planning Program Director or school counselor if they need additional information or assistance.

Incoming 8th grade students should have completed their 4-year plan with the school counselor prior to enrolling into 9th grade.

9th Grade:

- Learning & Productivity Inventory
- Strengths Explorer Survey
- Self-Discovery Self-Reflection
- Curriculum assignments

10th Grade:

- Career Cluster Finder
- Career Interest Profiler
- Curriculum assignments
- Career Exploration Worksheet (uploaded into Naviance®)

11th Grade:

Students must attend at least one of the following:**

- College Fair
- Career Fair
- College Visit(s)
- Other Post-Secondary College/Career Exploration Activities
- Curriculum assignments

12th Grade:

- End of High School Check-in with CCPD and/or school counselor
- Complete Graduation Survey (Prior to April 15th)
- Curriculum assignments

** Students are expected to get signed approval from the College & Career Planning Program Director, school counselor, or Principal to attend any college/career fair or college visit and any additional signatures for the absence to be counted as excused. The required documentation is following Appendix C.

Starting in the 2023-24 school year, students will be required to complete the ICAP requirements of their grade-level year and all requirements in the subsequent year(s).

