

2024-2025 | HIGH SCHOOL

COURSE SELECTION GUIDE



WARREN COUNTY
CAREER
CENTER



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Welcome to WCCC! Please use this guide when selecting your academic courses for the 2024-25 school year. It's important to note that while we offer these courses, our offerings each year are determined by student needs and scheduling requirements.

All students are required to meet the graduation requirements of their home school. Please refer to your home school's graduation requirements. Your WCCC school counselor will review your selections to ensure they will meet those requirements.

Instructions

JUNIORS - Please select FOUR academic classes. Juniors will take one English, one Math, one Science, and Government. Students who have already taken Government should contact their WCCC counselor (see below) to discuss options.

SENIORS - All WCCC Seniors will take English, Math, and have the opportunity for two additional classes. Seniors who have met their graduation requirements have the option of taking a maximum of one study hall (at Main campus). Please select *four* choices. Contact your WCCC counselor if you have any questions.

You will receive a Google form via email to select your 2024-25 academic classes.

WCCC School Counselor Contact Information

Mikele Giambra

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- Dental Assisting
- Pre-Nursing
- Sports & Exercise Science
- Surgical Technology
- STNA

Nicole Panno

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- Auto Technology
- Construction Trades
- Criminal Justice
- Electrical Trades
- Heavy Equipment
- HVAC
- Fire Science
- Vet Science

Caroline Williams

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- Cosmetology
- Culinary Arts
- Cyber Technology
- Digital Media Arts
- Early Childhood Education
- Engineering & Robotics
- Graphic Arts
- Welding

College Credit Opportunities

WCCC students have the opportunity to earn college credit in their academic classes. There are three types of college credit opportunities available to eligible students. Each course description notes if that course offers college credit.

College Credit Plus (CCP)

Warren County Career Center continues to increase the partnerships that provide our students CCP credit. We have agreements with Hocking College, Sinclair Community College, Cincinnati State, University of Cincinnati, and Miami University to provide opportunities for students to get credit for both high school and college while attending WCCC. Students must submit a written notice of their intent to participate in the upcoming academic year, by April 1st, 2024. Before beginning the CCP course(s), students will have to fill out the application and registration to the designated college. A WCCC teacher will deliver the instruction on campus for many of the courses; students can also take online courses but will have to register accordingly. It is the responsibility of the student to follow the timelines associated with the college. In the event the student does not pass the CCP course, the family will meet with an Administrator and School Counselor. Students who select a WCCC/CCP course should check their email. Students will receive a link to the intent form and information about placement testing opportunities.

Tech Prep

Many of the Program Pathways offered at WCCC are also part of the Miami Valley Tech Prep Consortium. This partnership allows Tech Prep students to graduate from high school with college credits posted on a Sinclair transcript and earn Sinclair's Tech Prep Scholarship. This enables them to pursue and complete a wide variety of certificates and degree programs in preparation for industry-specific jobs and/or additional post-secondary education at four-year colleges and universities. Tech Prep academic courses are a win-win for students. Students who earn a 70% average or higher on their Sinclair exams are eligible for Sinclair college credit.

Advanced Placement (AP)

AP enables willing and academically prepared students to pursue college-level studies—with the opportunity to earn college credit, advanced placement, or both—while still in high school. Advanced Placement courses provide an opportunity for students to earn college credit while in high school. Classes are taught by trained high school teachers in a traditional setting but the content is aligned to a curriculum designed by college faculty through the College Board. Students can earn college credit that is acceptable throughout the nation by passing an end-of-year exam in May.

English Course Descriptions

English 3 (2111)

English includes a study of grammar, American literature, grade-level composition, and research. Speaking, listening, and viewing skills are central to English studies. Students develop their communication skills further as they experiment with various types of writing. This course is designed to help the student develop his/her writing and grammar skills and a working knowledge of formal essay writing for career and college readiness.

During the course, students develop skills in interpreting and comparing texts, writing for different audiences and purposes, presenting and supporting an argument, and synthesizing information from a variety of sources. Students engage in a variety of learning tasks such as discussions, role-plays, dramatizations, group work, presentations, independent research, and individual writing assignments. Various resources are used throughout the semester, including a literature anthology, novels, short stories, poetry, plays, videos, and nonfiction materials. Students are exposed to a wide range of literature and are encouraged to achieve a deeper level of understanding and analysis as they explore a broader range of literary elements and devices. Students will be strongly encouraged to think critically and creatively, both in discussion and composition.

English 3 – College Prep (2116)

In addition to the materials presented in English 3, this course is designed for the college-bound student. American literature is studied during the year with emphasis placed on history and understanding the elements of style such as theme, symbolism, figure of speech, analogy, etc. Each student will be expected to write several papers which call for analysis and/or critical thinking skills. Research techniques and formats are introduced. Students will be expected to do extensive reading, analysis, and independent research.

The writing process will be emphasized. Vocabulary building will be included. This course will teach the career and college-bound student the proper methods of organization, researching, and writing formal research papers.

[Considering CCP & AP? Check out this infographic to help you decide!](#)

English 3 - Advanced Placement: English Language and Composition (2117)

Prerequisite: Grade of a B or higher in Honors English 10 **OR** a score of 4 or higher on the ELA 1 or 2 End of Course exam.

The AP English Language and Composition course is designed to help students become skilled readers of a variety of texts as well as become skilled writers. Students can achieve this through

awareness of the interactions among a writer's purposes, audience expectations, and subjects, as well as the ways that writing rules and language use contribute to effective writing.

Skill in writing proceeds from awareness of the composing processes: exploring ideas, considering strategies, and revising work. This experience of the process of composing is the essence of the first-year college writing course, and the AP English Language and Composition course emphasizes this process. In the course, students will write essays that proceed through several stages or drafts, with revision aided by teachers and peers. These extended, revised essays are not part of the AP English Language and Composition Exam, but the experience of writing them will help students become more self-aware and flexible writers.

English Composition I - College Credit Plus (2127) (Open to Juniors or Seniors)

Prerequisite: Score(s) must indicate readiness for a college-level course by meeting the State of Ohio's administrative requirement for CCP and the requirements of Hocking College.

The course will focus on developing skills in college-level writing, reading, communication, and critical thinking. Writing is a process that can be refined and improved with practice. In this course, students will write a minimum of 20 pages of formal revised essays, as well as additional directed writing, including responses, analysis, and critique of various assigned texts. In addition, students will collaborate with peers to develop ideas, create drafts and revisions of their essays, and extend their ability to craft persuasive arguments by presenting and documenting credible secondary material in support of their position. This course is ENGL 1510 at Hocking College.

American Literature II - College Credit Plus (This course is for Seniors)

Prerequisite: CCP English Composition I ENG 1510.

This course is designed for seniors who have completed CCP English Composition as a Junior. The CCP course in American Literature engages students in the careful reading and critical analysis of literary works through the lens of the historical context in which those pieces were written. The course will focus attention on the following: character, setting, structure, narration, figurative language, and literary argumentation.

This is a college course through Hocking College, which means that students will be asked to read and analyze challenging and sometimes controversial material. Students will also be expected to come to class prepared to challenge themselves and others with interesting and thought-provoking discussion points while demonstrating respect for others' views and identities.

In their writing, students are expected to develop and organize ideas in clear, coherent, and persuasive language with stylistic maturity. The course will focus on improvement in each of these areas through both timed and multi-draft essays. Students will also work together to develop presentation and research skills. This course is weighted for GPA purposes. This course is ENGL 2255 at Hocking College.

English 4 (2121)

English includes a study of grammar, world literature, grade-level composition, and research. Speaking, listening, and viewing skills are central to English studies. Students develop their communication skills further as they experiment with various types of writing. This course is designed to help the student develop his/her writing and grammar skills and a working knowledge of formal essay writing for career and college readiness.

English 4 will expand on the materials and skills acquired in English 3. Students develop skills in interpreting and comparing texts, writing for different audiences and purposes, presenting and supporting an argument, and synthesizing information from a variety of sources. Students engage in a variety of learning tasks such as discussions, role-plays, dramatizations, group work, presentations, independent research, and individual writing assignments. Various resources are used throughout the semester, including a literature anthology, novels, short stories, poetry, plays, videos, and nonfiction materials. Students are exposed to a wide range of literature and are encouraged to achieve a deeper level of understanding and analysis as they explore a broader range of literary elements and devices. Students will be strongly encouraged to think critically and creatively, in both discussion and composition.

English 4 - College Prep (2126)

Prerequisite: Grade of an A or B in English 3 - CP Class or teacher recommendation.

In addition to the materials presented in English 4, this course prepares seniors for college by focusing on specific writing techniques, effective word choice, and proper grammar and punctuation. Students read Shakespeare along with other selections from World authors. An extensive research paper will be completed. Each student will be expected to complete extensive reading assignments outside of class.

The writing process will be emphasized. Vocabulary building will be included. This course will teach the career and college-bound student the proper methods of organization, researching, and writing formal research papers.

English 4 - Advanced Placement: Literature and Composition (2128)

The AP English Literature and Composition course will engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to create meaning. Students will learn to consider a work's structure, style, and themes, as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone.

This course is intended to give students the experience of a typical introductory college literature course. It includes intensive study of representative works from various genres, periods, and cultures, concentrating on works of recognized literary merit. Students will also learn to consider the social and historical values a work reflects and embodies. Writing assignments in the course will address

the critical analysis of literature and will include expository, analytical, and argumentative essays. The goal of the writing assignments is to increase the ability to explain clearly what students understand about literary works and how to interpret them.

Creative & Technical Writing (2131)

Creative Writing is a yearlong course with a focus on structure and organization in a variety of fictional writing. We will also critically examine elements of literary creation. Additionally, there is an opportunity for a wide variety of independent projects done individually or as a group. These will be based on individual interests and/or the interests of the group. *This is an elective option for Seniors.*

Drama - Performing Arts (2141)

Theater is the study of human behavior in which imagination plays a vital role. Performing Arts is a beginning course that focuses on basic foundations and techniques of acting, improvisation, characterization, script analysis, body movement, and proper vocalization. The students will become familiar with theater history, theatrical and technical design, and theater production with an emphasis on artistic communication. The students will be encouraged to inspire, inquire, and develop skills in self-discipline, respect for themselves and others, creative expression, and effective communication skills. *This is an elective option for Seniors.*

Film Analysis (2171)

The purpose of this course is for students to learn to understand and appreciate movies from the past and present. This course introduces students to the basics of film analysis, cinematic elements, genre, and story structures in film. The course will help students develop the skills to enjoy film as an art and entertainment form. *This is an elective option for Seniors.*

Mathematics Course Descriptions

Geometry (3121)

Geometry is a course that explores properties, measurements, and relationships of points, lines, surfaces, and solids in space. Students integrate technology and knowledge of Algebra 1 with geometry concepts to solve real-world problems.

Algebra 2 (3141)

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, polynomials, exponential/logarithmic functions, and an extension of right triangle trigonometry. This course also introduces statistics such as combinatorics and different distributions. The content of this course is important for students' success on both the ACT and college mathematics entrance exams.

Business Math - Tech Prep (3143)

This course includes mathematics of finance, trade, payroll, taxes, insurance, and elementary statistics. The course includes: performing arithmetic calculations with fractions, decimals, and percentages; determining simple and compound interest, annuity, and loan payments; calculating insurance premiums and taxes; and analyzing and interpreting a given data set using elementary statistical techniques. The State of Ohio considers this course an equivalent to Algebra 2 for students who complete a Career Tech Pathway. This course is MAT 1120 at Sinclair.

Medical Math - Tech Prep (3181)

This course is designed to provide students with an understanding of the mathematical skills and concepts required to be successful in the health sciences. Students will learn to read and interpret health science labels and graphs; solve health science applications; calculate and apply statistical concepts; and solve problems involving parenteral, pediatric, and intravenous administration and dosage calculations. By the end of this course, students should be able to read, interpret, and complete labels and graphs; calculate and apply appropriate statistical concepts such as mean, median, and mode; accurately compute with fractions, decimals, percentages, ratios, and proportions; and convert appropriate units of measurement between and within the metric, household and apothecary systems; and systems of time, temperature, length, and weight. The State of Ohio considers this course an equivalent to Algebra 2 for students who complete a Career Tech Pathway. This course is MAT 1130 at Sinclair.

Mathematical Reasoning - Tech Prep (3202)

This course is a project-based exploration of principles of finance and analysis of elementary statistics. Course includes: performing arithmetic calculations with fractions, decimals, and percentages; determining simple and compound interest, annuity, loan payments, and taxes. The State of Ohio considers this course an equivalent to Algebra 2 for students who complete a Career Tech Pathway.

Construction Algebra - Tech Prep (3191)

"Construction Algebra" is an innovative and practical course designed to equip students with essential mathematical skills tailored for the construction industry. This course integrates fundamental algebraic concepts with real-world applications in construction and engineering. Students will explore topics such as linear equations, geometric concepts, proportions, and algebraic problem-solving techniques, all within the context of construction scenarios.

Throughout the course, emphasis is placed on developing a strong foundation in algebra while applying these principles to solve practical problems encountered in construction projects. Students will engage in hands-on activities, case studies, and simulations that simulate real construction challenges, fostering a deep understanding of how algebraic concepts are employed in the field.

Key topics covered include:

1. **Linear Equations in Construction:** Understanding and solving linear equations relevant to project planning, budgeting, and resource allocation.
2. **Geometry in Construction:** Applying geometric principles to analyze and solve problems related to measurements, angles, and spatial relationships in construction layouts.
3. **Proportions and Ratios in Building Design:** Exploring the use of proportions and ratios in scaling, blueprint interpretation, and material estimation.
4. **Algebraic Problem-Solving in Construction Scenarios:** Developing problem-solving skills by applying algebraic concepts to address challenges encountered in construction projects.

By the end of the course, students will not only have a solid grasp of algebraic principles but will also be equipped with the skills to confidently apply these concepts in real-world construction situations. "Construction Algebra" sets the stage for a successful integration of mathematics into the dynamic and evolving field of construction. The State of Ohio considers this course an equivalent to Algebra 2 for students who complete a Career Tech Pathway. This course is MAT 1110 at Sinclair.

Pre-Calculus - College Credit Plus (3200)

Prerequisite: Score(s) must indicate readiness for a college-level course by meeting the administrative requirement of Hocking College.

This course is designed for the advanced math student planning to attend a 4-year college. Topics covered include trigonometric functions, exponentials and logarithms, rational functions, conic sections, sequences and series, and graphing families of functions. This course is MATH 1130 at Hocking College.

Science Course Descriptions

Chemistry (4133)

Chemistry is designed for the student interested in potential careers that require a basic understanding of the fundamentals of chemistry and/or intend to continue on a college pathway. This course gives students a general overview of chemical concepts and their application in careers and industry. Students will develop the skills necessary for critical thinking in the workforce and real-life situations. Basic mathematical, algebraic, and data analysis skills will be utilized.

Environmental Science (4141)

Environmental science is the study of patterns and processes in the natural world and their modification by human activity. To understand current environmental problems, we need to consider physical, biological, and chemical processes that are often the basis of those problems. The course will give students the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. The course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet. This study will help students develop the skills necessary for the development of critical thinking in the workforce and real-life situations.

Forensics (4181)

Forensic Science is the application of science (chemistry, physics, and biology) regarding the criminal justice system and medical research settings. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students will be taught the proper collection, preservation, and laboratory analysis of various samples.

Science Exploration (4171)

The focus of this course will be on science methodology offering a variety of real-world topics. Some themes for exploration include consumer science (understanding and testing the products we use); materials science (solids used at home and in the workplace); the science behind liquids such as solvents and solutions, acids and bases, inks and dyes; the chemistry behind food, nutrition, cooking and baking; and science in nature and industry. This course offers a laboratory and student-led, project-based learning environment focusing on scientific process and experimental design.

Electrical Physics (4161)

Electrical Physics will help students in Electrical Trades, Engineering & Robotics, Welding, HVAC, Automotive Technology, Cyber Technology, or anyone interested in electricity understand the physics behind their trade. Fundamentals such as electrostatics, electric current (DC & AC), electric circuits, magnetism, electromagnetism, and radio frequency waves (rf) will be taught. Heat and thermodynamics will be addressed. There will be a substantial emphasis placed on demonstrations

(seeing phenomena first hand), lab experiences (using their concepts), and projects (putting the materials to work in real-world use). Prospective students should have a good attitude towards math.

Human Biology - Tech Prep (4165)

Human Biology is a fast-paced, general survey course that parallels Sinclair Community College's Biology 1107, and allows students the opportunity to earn both high school and college credit. Students will look at the structures of the human body (anatomy) and how they work (physiology). We will investigate the different levels of organization that are present in the body from cells to organs, to organ systems, and explore how they function independently and how they all work together to keep you healthy. The course is arranged into topics that integrate lecture and lab material, and each topic has several activities that will enhance student learning and understanding of important concepts. Dissections are also part of the course. Students who complete the course will be prepared for success in a college-level human anatomy and physiology course.

Social Studies Course Descriptions

Government & Economics (5121)

The core of this course is the US Constitution and Bill of Rights. The structure and function of the 3 levels of American Government, and the 3 branches within the levels are the course's main focal points. Also emphasized are comparative world government and economic systems, American political parties, current events, and principles of the market economy. This course is taken by all juniors at WCCC, and it is required by the State of Ohio's Graduation Requirements.

Government & Economics – College Credit Plus (5125)

Prerequisite: Score(s) must indicate readiness for a college-level course by meeting the State of Ohio's administrative requirement for CCP and the requirements of Hocking College.

American Government and Politics Overview of the nation's structures, institutions, processes, and products of the national government and the impact of these on the citizens. Emphasis is placed on relating discussions in the classroom to the personal world and to conceptualizing how government and politics function in the real world. This course is GOVT 1142 at Hocking College.

Psychology/Sociology (5133)

Psychology is the first semester of a year-long Psychology/Sociology course in which we will explore individual human behaviors and mental processes. More specifically, this course looks at the history of psychology, research methods, development, the brain and nervous system, sensation and perception, learning, memory, states of consciousness, motivation, emotion, personality, testing, stress, psychological disorders, medical issues, treatments, and social psychology. Problem-solving skills and cooperative learning techniques are developed within the content of the course. As the student better understands the psychology of people, he/she will be better prepared for management and any job requiring people skills. Students having a basic grounding in psychology are better able to make informed and reasonable decisions about relationships, family, and life in general.

Sociology is a semester-long portion of the Psychology/Sociology combination in which we will study behaviors in groups and societies people live. This course provides students with an introduction to sociological ways of thinking, social theories, and cultural examinations. Students will take a look into how people are socialized and the role social structure plays in our everyday lives. Students will learn the way we define and interpret social problems. The class will also examine and discuss topics of deviance, social stratification, race, age, health, ethnicity, and gender.

Psychology- College Credit Plus (5134)

Prerequisite: Score(s) must indicate readiness for a college-level course by meeting the State of Ohio's administrative requirement for CCP and the requirements of Hocking College.

This course serves as a comprehensive and in-depth study of the theories and applications of psychology. The course consists of an overview of topics in the areas of both clinical and experimental psychology including memory, personality, consciousness, physiological bases of behavior, sensation and perception, motivation and emotion, human development, learning, abnormal behaviors, and social processes. This course is PSYC-1101 at Hocking College.

Global Conflicts (5141)

This course will examine the major Global Conflicts after World War II, The Cold War, The Korean War, The Bay of Pigs Invasion, The Cuban Missile Crisis, The Vietnam War, The Persian Gulf War, and The War in Iraq. The primary focus of the course will be an in-depth study of the similarities and the differences, the causes and the results of these Global Conflicts in World History.

History through Film (5151)

The purpose of this course is to examine World and United States History through the lens of film and movies. During the year we will watch historical films, each dedicated to an event, person, or specific era of history. Before watching the films, students will learn about the geographic and historical factors that combined to create the historical topic of the film. Along with watching these films, students will also be examining primary and secondary sources to critically analyze the accuracy of the film, as well as the purpose and direction of the film. They will use maps, and primary and secondary source documents, to create a framework for understanding the area and period before watching the film. Students will then use the films as "historical evidence" in determining the accuracy of the film, the point of view of the directors/producers of the film, their target audience, and their reasons for producing this film.

Street Law

This one-semester course in Street Law is designed to empower high school seniors with practical legal knowledge and critical thinking skills essential for navigating everyday legal issues they may encounter. The course will engage students in an exploration of the legal system, their rights and responsibilities, and the impact of law on their lives.