

Warren County Career Center

Course Selection Guide

2019-2020 School Year



Table of Contents

English

English III (2111)	1
English III – College Prep (2116)	1
Advanced Placement - English III (2117)	2
English IV (2121)	2
English IV – College Prep (2126)	3
English IV – College Credit Plus (2127)	3
Advanced Placement - English IV (2128)	3
Creative & Technical Writing (2131)	4
Drama – Performing Arts (2141)	4
Communications (2161)	4
Film Analysis (2171)	4

Social Studies

Government & Economics (5121)	5
Government & Economics – College Credit Plus (5125)	5
Sociology (5131)	5
Psychology (5133)	6
Psychology – College Credit Plus (5134)	6
Global Conflicts (5141)	6

Science

Chemistry (4133)	7
Chemistry – College Prep (4131)	7
Environmental Science (4141)	7
Physics (4151)	8
Electrical Physics (4161)	8
Human Biology (4165)	8
Forensics (4181)	8

Mathematics

Geometry (3121)	9
Algebra II (3141)	9
Algebra II – College Prep (3142)	9
Business Math (3143)	9
Calculus – College Credit Plus (3171)	9
Medical Math (3181)	9
Technical Math (3191)	10
Pre-Calculus – College Credit Plus (3200)	10

ENGLISH

English III (2111)

English at the Warren County Career Center involves two semesters of study. 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 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 III – College Prep (2116)

In addition to the materials presented in English III, 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 format is 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.

Advanced Placement - English III (2117)

Pre-requisite: 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 you become a skilled reader of a variety of texts as well as becoming a skilled writer. You'll 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 your awareness of your own composing processes: the way you explore ideas, reconsider strategies, and revise your 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, you will write essays that proceed through several stages or drafts, with revision aided by your teacher 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 you become a more self-aware and flexible writer (which may help your performance on the AP Exam!).

English IV (2121)

English at the Warren County Career Center involves two semesters of study. 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 IV will be expanding on the materials and skills acquired in English III. Students develop skills in interpreting and comparing texts, writing for different audiences and purposes, presenting and supporting an argument and synthesizing information from 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.

Career Passports will be completed during the senior year of English. This includes resume and cover letter writing, interview and employability skills. The Career Passport is a culminating portfolio of information that is given to students at the Senior Awards Ceremony.

English IV- College Prep (2126)

Pre-requisite: Grade of an A or B in Junior CP English Class or teacher recommendation

In addition to the materials presented in English IV, 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 IV- College Credit Plus (2127)

English 111 teaches you to think and write critically and stresses the centrality of writing to intellectual life. It presumes that the best way to improve writing is to write frequently. Therefore, writing is a central focus of the course and you will write several times a week, both in and out of class. Since good writing cannot be separated from careful reading, you will also read and analyze a diverse body of texts.

A major goal of the course is to prepare you for the variety of writing required in college and beyond. Thus, the course is designed to provide you with various techniques and approaches that you can apply to your academic and public writing. The course is divided into five sequences that will give you practice in writing for different audiences and purposes, including academic situations, public debate, and personal exploration.

Advanced Placement - English IV (2128)

Pre-requisite: Must have taken Advanced Placement – English III and passed with a C or better.

The AP English Literature and Composition course will engage you in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, you can deepen your understanding of the ways writers use language to create meaning. You 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 you 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. You 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 your ability to explain clearly and cogently what you understand about literary works and how you 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 upon individual interests and/or the interest of the group.

Drama – Performing Arts (2141)

Theatre 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 theatre history, theatrical and technical design, and theatre 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.

Communications (2161)

The goal of this course is to build students' confidence and skills with communication and public speaking. Students will have an opportunity to develop poise when speaking in front of others through practice. Students will practice delivery techniques necessary for informal and formal public speaking situations, non-verbal's, interpersonal communication, listening, research and topic selection, speech composition, and visual aids. There will be a brief introduction to debate.

Film Analysis (2171)

The purpose of this course is to help students learn to understand and appreciate cinematic films. Students will view, analyze, and write about a number of films that are widely considered to be essential viewing. Students will become familiar with academic vocabulary related to the study of films, take notes, discuss, and write about the films. A majority of the course will be devoted to viewing film as literature; students will be taught standards-based lessons involving the traditional components of literature including characterization, theme, and plot development.

Social Studies

Government & Economics (5121)

The American Government/Economics course is offered to students at the Warren County Career Center. It is taught on a 45 minute class period schedule as a yearlong course. Students earn 1 social studies credit upon completion. Prerequisites are the required American and World History courses taught in 8th and 10th grades. This is the required American Government course that must be completed by all seniors. The core of the 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 focus. Also emphasized are comparative world government and economic systems, American political parties, current events, and principles of the market economy. The content standards and benchmarks for 11th and 12th grade Social Studies scope and sequence for the State of Ohio are followed in the course as guidelines.

Government & Economics – College Credit Plus (5125)

Pre-requisite: Score(s) must indicate readiness for college level course by meeting administrative requirement of the college overseeing the credits.

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.

Sociology (5131)

Sociology examines how individuals, groups, and institutions interact to make up human societies. You will learn about sociological perspectives, culture, social structures, and social inequality. You will study people and the roles they play in society, both as individuals and groups. Sociology teaches you about social institutions and social change. Topics of interest include: the family, education, political and economic institutions, and religion.

Psychology (5133)

Basic psychology is designed as a semester course operating in a class period setting with 45 minute daily classes. The class offers one credit toward Ohio graduation within the social studies department. The course employs reading, writing, listening, and discussion techniques to encourage students to work out problems encountered in family, work, and social environments. Psychological theories are put in terms that adolescents can understand, put into immediate use in dealing with problems in their world, and take with them into their adult lives. The course utilizes a textbook, computer research, magazines, audiovisuals, and guest speakers as resources. 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 human relationship problems.

Psychology- College Credit Plus (5134)

Pre-requisite: Score(s) must indicate readiness for college level course by meeting administrative requirement of the college overseeing the credits.

University-parallel course covering history and systems of psychology, behavioral research methods, physiology of behavior, sensation, perception, learning, memory. Consciousness, cognition, personality, lifespan development, gender, social psychology, motivation, emotion, stress, mental disorders, and therapies.

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.

SCIENCE

Chemistry (4133)

This course gives the student a comprehensive study of general chemical concepts and their application in career pathways. This study of will help students develop the skills necessary for development of critical thinking in the work force and real life situations. Concepts taught in this course will prepare students for success in Chemistry. Students should have successfully completed Algebra I, and it is highly recommended that the student has successfully completed or concurrently take Algebra II.

Chemistry – College Prep (4131)

This course gives the student a comprehensive study of general chemical concepts and their application in career pathways. This study of will help students develop the skills necessary for development of critical thinking in the work force and real life situations. Concepts taught in this course will prepare students for success in college level coursework in the chemical sciences. Students should have successfully completed Algebra I, and it is highly recommended that the student has successfully completed or concurrently take Algebra II.

Environmental Science (4141)

Environmental Science contains a challenging study in the study of our environment. Connection between science, technology, and society are related to the study with the use of environmental issues. Students will become more informed on the global issues regarding our environment, thereby allowing them to become better decision makers. The Environmental Science course provides an applied science using observations and experimentation. Students will learn to solve environmental problems relating to resource depletion, pollution, and extinction. These issues will explore developing and developed countries, giving the students a global prospective on several environmental concerns. This study of will help students develop the skills necessary for development of critical thinking in the work force and real life situations. There are no prerequisites for Environmental Science, which will allow students from all career pathways to obtain their required science credits.

Physics (4151)

This course gives the student a comprehensive study of general Physics concepts and their application in career pathways. This study will help students develop the skills necessary for development of critical thinking in the work force and real life situations. Concepts taught in this course will prepare students for success in college level coursework in the physical sciences. Students should have successfully completed Algebra I, and it is highly recommended that the student has successfully completed or is concurrently taking Geometry or Algebra II. The course goals for Physics are to:

- Acquire an understanding of the concepts of matter and energy;
- Learn how concepts have developed from earlier ideas and thus to become aware of the methods by which scientific understandings evolve;
- Master some of the quantitative relationships that express these understandings and to acquire skill in using them;
- Develop the ability to recognize, define, and solve problems;
- Understand Physics concepts and how their interactions are involved with technology and career pathways.

Electrical Physics (4161)

Electrical Physics will help students in electrical, robotics, welding, HVAC, automotive, power systems, information 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 clearly be taught. Also 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 and be capable with Algebra II.

Human Biology (4165)

This course follows the curriculum of the Human Biology 103 course taught at Sinclair Community College. Anatomy/physiology is designed to give the student a comprehensive study of all body system structures and their function. This in depth look at these systems will develop the skills necessary for a successful career in health care or the ability to succeed in college coursework in this area. Students have the opportunity to earn college credit for this course.

Forensics (4181)

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. 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.

Mathematics

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 Euclidean geometry concepts to solve real world problems.

Algebra II (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 in this course is important for students' success on both the ACT and college mathematics entrance exams.

Algebra II – College Prep (3142)

Most of the topics are the same as those found in Algebra II but will be covered in greater depth focusing on advanced problem solving skills.

Business Math (3143)

This course includes mathematics of finance; mathematics of trade, payroll, taxes, insurance, and elementary statistics. Course includes: performing arithmetic calculations with fractions, decimals, and percent's; 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.

Business Calculus – College Credit Plus (3171)

Pre-requisite: Score(s) must indicate readiness for college level course by meeting administrative requirement of the college overseeing the credits.

A study of limits, derivatives, and integration, considered analytically, numerically and graphically. Topics taught through business applications.

Medical Math (3181)

This course is designed to be able to solve health science applications; convert within and between metric, household and apothecary systems; read and interpret health science labels and graphs; calculate and apply statistical concepts; solve problems involving parenteral, pediatric and/or intravenous administration and dosage calculations. By the end of this course, you should be able to read and interpret and/or complete labels and graphs related to health science; calculate and apply appropriate statistical concepts such as mean, median, and mode; accurately compute with fractions, decimals, percentages, ratios and proportions as needed for a variety of health science applications; and convert appropriate units of measurement between and within the metric, household and apothecary systems and systems of time, temperature, length, and weight.

Technical Math (3191)

This course is designed to solve applications in technology and geometry; convert within and between metric and English systems of measurement; read and interpret measurement tools and gauges; simplify algebraic expressions, solve linear equations and graph linear equations. By the end of this course, you should be able to demonstrate the ability to graph equations of lines; compute with fractions, decimals, percentages, ratios and proportions as needed for a variety of applications; calculate perimeter, area and volume of basic 2 and 3 dimensional geometric objects; and demonstrate the ability to solve linear equations.

Pre-Calculus – College Credit Plus (3200)

Pre-requisite: Score(s) must indicate readiness for college level course by meeting administrative requirement of the college overseeing the credits.

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