

# Orrville High School

## COURSE DESCRIPTION



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**2021-2022**

# **HOW TO USE THE 2021-2022 COURSE DESCRIPTIONS GUIDE**

**Revision 12/11/2020**

Students and their parents should read the General Information section at the beginning of this booklet to acquaint themselves with Orrville High School and its policies. Students and their parents should thoughtfully consider the information in the course description part of this booklet and choose the classes the student should take next year.

All students have a group orientation with their counselor, describing classes available to them at their grade level for the coming year. They should discuss these choices with their parents. The student's course selections for the following year are reviewed to make sure that the student is progressing toward graduation, and is enrolled in the classes necessary to prepare for his or her educational goal. Parents are encouraged to play an active role in the scheduling process.

Every effort is made to schedule students into the classes that they have selected. Occasionally, conflicts may arise where students must be placed in an alternate class because of scheduling difficulties. Each conflict is resolved after consulting with the student, if possible. Schedule changes are discouraged after the registration process has been completed, to ensure reasonable class sizes and balanced teaching loads.

## **GENERAL INFORMATION**

### **GRADUATION REQUIREMENTS**

Currently in Ohio, graduation requirements are in transition depending on each graduating class. To obtain the most up-to-date information, consult the high school guidance webpage which has a section for each class.

### **CREDITS**

One credit is awarded for each academic course that meets one period daily for 36 weeks (a year course). One-half credit is awarded for each course that meets one period daily for 18 weeks (semester course). Three or Four College Credit Plus credits equal 1 high school credit; likewise, 2 CCP credits = 0.66 HS, 1 CCP credit = 0.33 HS

<u>Exceptions:</u>	Symphonic Select	36 wks.	¼ Credit
	Jazz Band	36 wks.	¼ Credit
	P.E. 9 & 10	18 wks.	¼ Credit
	Community Service	18 wks.	¼ Credit
	Conservation of Parks	36 Wks.	¼ Credit

### **CLASS RANK**

Class Rank is determined by computing the grade point average of all students. This is done at the end of each semester, and all subjects are included when determining the grade point average except Physical Education and ACT Prep, Community Service, and Student Success Seminar, which is "P" or "F".

### **STUDENT CLASS LOAD REQUIREMENTS**

All high school students not in the College Academy must be registered for a minimum of seven classes which will allow them one study hall. Students will be allowed to drop below the seven-credit minimum only in extenuating circumstances with the permission of the principal. College Academy students are required to take a minimum of five (5) classes per semester (exceptions may apply in instances where CCP credits exceed 30 for the year).

## SCHEDULE CHANGE PROCEDURES

**ALL REQUESTS for schedule changes will be governed by the following guidelines.**

1. Students will receive a verification of registered courses by the end of May.
2. Students will have until the first week of June for a “Change of Mind” schedule change. Review both first and second semesters.
3. After June, only the following changes will be allowed during the first five (5) days of school and the first three (3) days of second semester.
4. All changes are based on administration approval and must meet one of the following:
  - a) Upgrading your schedule – adding a class in place of study hall
  - b) Dropping a class because of “No” study hall
  - c) Level change – Teacher Recommendation only  
(Example: Honors Geometry to Geometry or foreign language level adjustment)
  - d) A sound educational reason as evaluated by the guidance counselor and/or building administrator

## GRADING SYSTEM / G.P.A.

Grades are assigned by each teacher on the basis of daily work, written lessons, tests/quizzes, etc. Achievement grades will be given in letters as follows: (60% or higher is required to receive credit for a course)

Percentage Scale:	Letter Grade:	Points:	College Credit Plus Classes – 5 pt. Scale	Percentage Scale:	Letter Grade:	Points:	College Credit Plus Classes – 5 pt. Scale
97 - 100	A+	4.0	5.0	77 - 79	C+	2.3	3.3
93 - 96	A	4.0	5.0	73 - 76	C	2.0	3.0
90 - 92	A-	3.7	4.7	70 - 72	C-	1.7	1.7
87 - 89	B+	3.3	4.3	67 - 69	D+	1.3	1.3
83 - 86	B	3.0	4.0	63 - 66	D	1.0	1.0
80 - 82	B-	2.7	3.7	60 - 62	D-	0.7	0.7
				0 - 59	F	0	0

## INCOMPLETES

The number of school days a student may have to make up missed work will be equal to the number of class sessions that have been missed. After this time, the grade for the assignment(s) is an automatic zero. There will be no incompletes given at the end of the year. Assignments not made up by the last day of regular class will automatically receive a zero. The teacher and principal will consider any extenuating circumstances on an individual basis.

## SUSPENSION OUT OF SCHOOL

Any student suspended out of school must make up missing school work and will be given credit for it. Assignments will be collected in the office to be picked up. All work will be due the day the student returns.

## HONOR ROLL

There are three honor groups announced each nine weeks:

First Honor Group: 4.000 GPA

Second Honor Group: 3.5000 – 3.9999 GPA

Third Honor Group: 3.0000 – 3.4999 GPA

*Students with incompletes at the end of a nine-week grading period **will not** be considered for the honor roll.*

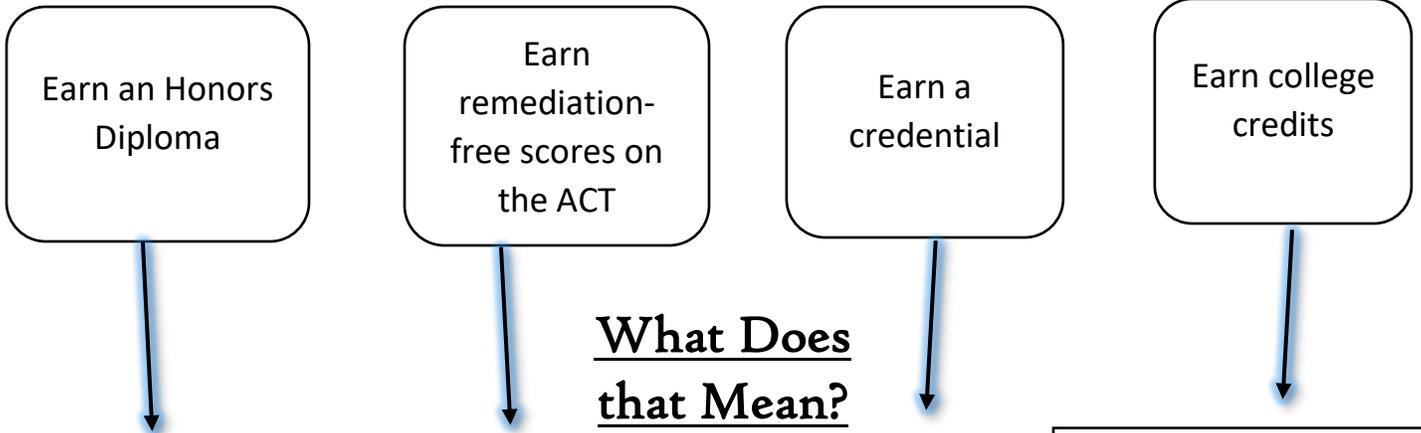
## TRANSCRIPTS

Transcripts are available from the Guidance Office for the purpose of college admission, job placement, military enlistment, scholarships, etc. Official Transcripts must be mailed from the Guidance Office. A transcript request must be filled out with a 24-hour processing time.

# PLAN AHEAD < > PLAN NOW

Earning an Orrville High School diploma is an honorable achievement, but strive to make yourself even more college and career ready!

## Here's How



Meet established criteria for 6 different Diplomas with Honors:

- Academic
- International Baccalaureate
- Career Tech
- STEM
- Arts
- Social Science & Civic Engagement

See HS guidance webpage for criteria

Remediation-free means you have earned minimum scores on the ACT:

18 in English,  
22 in Reading, and  
22 in Math

Take advantage of resources available in the Guidance Office, online at [www.act.org](http://www.act.org), in the ACT Prep class, and school-provided account for ACT Online Prep

In your junior/senior years, attend the Wayne County Schools Career Center. Go to [www.wayne-jvs.k12.oh.us](http://www.wayne-jvs.k12.oh.us) for credentialed programs.

A credential option may be available for juniors/seniors at OHS. See Guidance

Know the requirements for and apply for the many on-campus offerings from Wayne College and Stark State

College Credit Plus courses are listed under each department in this course offerings handbook.

Students may also attend CCP classes on the Wayne College campus.

### **WAYNE COUNTY SCHOOLS CAREER CENTER**

Orrville High School juniors and seniors have the opportunity with other students from Wayne County to complete their high school education at the Career Center. Students who choose to attend the Career Center will learn career/technical skills that are not offered in their home school, while still earning an Orrville High School diploma. The transition to the Career Center begins with a visitation in November of a student's sophomore year followed by an application deadline in January. The Wayne County Schools Career Center offers over thirty different career and technical programs for a variety of student ability and interest levels. Descriptions of all programs are available in your OHS Guidance Office or go to: [www.wescc.org](http://www.wescc.org)

### **TRI-COUNTY INTERNATIONAL ACADEMY**

Orrville High School, in collaboration with the Tri-County Educational Service Center and other area schools, has made available an exciting, high-powered program. The Tri-County International Academy offers the International Baccalaureate Diploma Program. For more information go to: [www.youresc.k12.oh.us/ib](http://www.youresc.k12.oh.us/ib)

### **NCAA CLEARINGHOUSE**

Students interested in playing sports in college need to view the NCAA Clearinghouse website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)) for the requirements to play Div. I & Div. II college sports. At the end of the junior year, a letter will be sent home to all students requesting that if a student is interested in playing sports in college, they will need to register on the NCAA Clearinghouse website. If a student is on free or reduced lunches, a fee waiver is available. See O.H.S. Athletic Office for more information.

### **EARLY GRADUATION**

Students may graduate early if they have demonstrated a scholastic aptitude or technical readiness, if there is a financial need for early entrance into the labor market or if health or family concerns would be served by completing educational requirements early. Students must apply to their counselor in writing, with parental approval, if they desire to complete their program in 3 or 3 ½ years. The principal will receive all requests and make the final decision. Students graduating early must earn 21 units required of all graduates and have completed all graduation requirements. Additional credits may be earned in summer school (not credit recovery). \*Once contract is made, the student will not be permitted to go back to junior year status.

## COLLEGE CREDIT PLUS

Orrville High School students who qualify can now enroll in the College Credit Plus option to receive college credit while in high school. Students can receive credit from the following colleges/universities:



*The University of Akron*



*Stark State College*

Admission requirements, classes available, deadlines and more information are available in the O.H.S. Guidance Office. A general information meeting will be available to all students. Specific guidelines are spelled out in a separate College Academy brochure.

<u>Univ of Akron/Wayne College Course</u>	<u>College Credits</u>	<u>Course Description is listed under Department:</u>	<u>Course meets gen ed requirements for Univ of Akron in:</u>
Concepts in Health & Fitness	3.0	Health & PE	
English Composition I	3.0	English	Writing
English Composition II	3.0	English	Writing
Effective Oral Communication	3.0	Communications	Speaking
Algebra for Calculus	4.0	Mathematics	Quantitative Reasoning
Precalculus Math	4.0	Mathematics	Quantitative Reasoning
Basic Statistics	3.0	Mathematics	Quantitative Reasoning
Analytic Geometry-Calculus I	4.0	Mathematics	Quantitative Reasoning
Environmental Geology & Lab	4.0	Science	Natural Sciences
Intro to the Oceans	3.0	Science	Natural Sciences
Principles of Chemistry I & Lab	4.0	Science	Natural Sciences
Physics for Life Science & Lab	4.0	Science	Natural Sciences
Government & Politics in U.S.	3.0	Social Studies	Social Sciences
U.S. History to 1877	4.0	Social Studies	Social Sciences & Domestic Diversity
Intro to Ethics	3.0	Social Studies	Humanities & Critical Thinking
Empires of the Ancient World	3.0	Social Studies	Humanities & Global Diversity
Technology and Human Values	3.0	Social Studies	Complex Systems in Society
Beginning Spanish I	4.0	World Languages	
Beginning Spanish II	4.0	World Languages	
Exploring Music: Bach to Rock	3.0	Fine Arts	Arts

<u>Stark State College Course</u>		
Computer Apps for Professionals	3.0	Technology
Graphics Arts Design	3.0	Technology
3D Graphics Modeling	3.0	Technology
Macroeconomics	3.0	Business
Business Analysis with Algebra	3.0	Business
Principles of Marketing	3.0	Business
Business Law and Ethics	3.0	Business
Financial Accounting	4.0	Business
Business Administration	3.0	Business
Principles of Management	3.0	Business
Managing Entrepreneurial Growth	3.0	Business
Entrepreneurship	3.0	Business
Human Resource Management	3.0	Business
Global Entrepreneurship	3.0	Business
Microeconomics	3.0	Business

Meets gen ed req for UA Social Sciences

**SAMPLE PATHWAY TO MAXIMIZE COLLEGE ACADEMY OFFERINGS at OHS**

University of Akron/Wayne College

**11<sup>th</sup> grade**

Fall 14 credits

English Composition I  
Algebra for Calculus  
Government & Politics  
Beginning Spanish I

Spring 15 credits

English Composition II  
Precalculus  
U.S. History to 1877  
Beginning Spanish II

**12<sup>th</sup> grade**

Fall 14 credits

Empires of the Ancient World  
Analytic Geometry-Calculus I  
Effective Oral Communication  
Principles of Chemistry I & Lab

Spring 16 credits

Intro to Ethics  
Basic Statistics  
Physics for Life Sciences I & Lab  
Technology & Human Values  
Bach to Rock

*Other Science options - Environmental Geology, Intro to the Oceans*

**BUSINESS PROGRAM**

**11<sup>th</sup> grade**

Fall

Entrepreneurship  
Business Administration  
Business Analysis

Spring

Managing Entrepreneurial Growth  
Global Entrepreneurship  
Principals of Management  
Financial Accounting

**12<sup>th</sup> grade**

Fall

Microeconomics  
Business Law & Ethics  
Principals of Marketing

Spring

Human Resource Management  
Global Entrepreneurship  
Macroeconomics

*THE WAYNE COUNTY SCHOOLS CAREER CENTER ALSO HAS A TWO-YEAR BUSINESS PROGRAM  
(JUNIOR/SENIOR YEARS)*

## HEALTH and PHYSICAL EDUCATION

- 0011** **Physical Education** **.25**  
Orrville High School Physical Education is a **required course**. All students must receive a total of ½ credit for the Freshmen and Sophomore years to graduate from high school in the State of Ohio.  
**Activities may include:** Lifelong Fitness, Badminton, Indoor Soccer, Speed Ball, Softball/Wiffle Ball, Flag Football, Foot Golf, Cooperative Games, Archery, Golf, Bocce Ball, Corn Hole, Walking, Basketball, Hand Ball & Tennis/Pickle Ball.  
**General Information:** All Classes are co-educational. Physical Education will be offered as a semester class. Evaluation for physical education will be pass/fail (P/F).
- 041** **Health (Grade 10)** **.50**  
The topics discussed in the course include: chemical education, including alcohol and tobacco, sex education, safety, first aid, and a wellness unit, which includes nutrition. Health is taken every day for one semester.
- 042** **Fitness and Nutrition (Grade 11 & 12)** **.50**  
This class is an elective semester course offered for Juniors and Seniors who have met their physical education requirement. In this course the students will learn how to design individual workout plans and understand how nutrition plays a role in their fitness. This course is designed for students who are interested in becoming physically fit. This is a total participation, hands-on course, which includes field trips to a variety of health and wellness centers in our area.
- 048A** **Wellness (Grade 11 & 12)** **.50**  
**Course Description:** This course applies current principles and facts pertaining to the importance of physical fitness and wellness, proper nutrition and stress management. The focus of this class is on healthy living; not athletic performance.
- 051A** **ACE Personal Training (Adv Weight Training) (Grade 11 & 12)** **.50**  
The benefits resulting from regular physical activity are well documented. This class offers a comprehensive review of the research linking physical activity to health, the U.S. Department of Health & Human Services released the *2008 Physical Activity Guidelines for Americans*, the first comprehensive guidelines on physical activity to be issued by the U.S. government. These guidelines list major research findings regarding physical activity and its associated health benefits: The book used in the class is the ACE Personal Trainers manual 4<sup>th</sup> Edition and Study Guide. Students may be ready to take the Ohio Certified Personal Trainers examination upon completion of this course, and graduation from high school.
- 048** **5500:150 Concepts in Health and Fitness (College Academy) semester** **1.00**  
Introduction to basic health and fitness concepts and related topics. Attention will be given to individual fitness programs emphasizing such topics as aerobic and anaerobic exercises, nutrition, diet, stress and assessment methods and procedures.  
**3 College Credits earned from The University of Akron**



## ENGLISH (cont.)

**123** **Honors English 10** **1.00**  
Coursework in Honors English 10 adheres to the Common Core State Standards. Students are given strategies to become better consumers and creators of written, visual, dramatic and spoken communication. Materials explore non-fiction articles, editorials, word-building skills, vocabulary and poetry with an emphasis on deciphering difficult passages of anthology. The honors level does not stop at deciphering these works and passages, but delves deeply into the issues and themes contained in classic literature through Socratic discussions. Students also learn how the English language has changed and continues to change and evolve. A major focus of the class includes composition for success on Standardized Tests along with techniques for research writing, citation and grammar. **NCAA Approved**  
**Summer Reading Required**

**133** **English 11** **1.00**  
Coursework in English 11 adheres to Ohio’s Learning Standards and includes activities that empower students’ critical and independent reading, writing, speaking, vocabulary and visual communication skills. The writing component includes reflective pieces, response to literature, research papers and persuasive writing. Students read and discuss fiction and nonfiction, focusing on American essays, novels, plays and narratives. Literary conventions and application of grammar exercises to their writing is also addressed. **NCAA Approved**  
**Summer Reading Required**

**149** **English 12** **1.00**  
Coursework in English 12 adheres to Ohio’s Learning Standards. Students are given reading and writing strategies to use in the classroom and beyond. British Literature is surveyed. A specific focus on life after high school drives each reading, writing and speaking assignment. Non-fiction articles, word-building skills, vocabulary, poetry and long fiction pieces in the anthology create a varied foundation on which to apply the reading strategies. Persuasive, informational, research and functional writings round out this college preparatory course. Students will participate in a job fair. **NCAA Approved**  
**Summer Reading Required**

**134** **Creative Writing (Grade 10 – 12)** **.50**  
The Creative Writing course is designed to teach students the disciplines of creative composition and to give them practice in its many forms. The course examines the conventions of the metaphor, poetry, fictional and non-fictional prose, and dialogue, which are the foundations of all writing. In a workshop format, students will examine model writing and work on developing their own skills through imitation, exploratory exercises, and revision. Students will receive feedback through peer and teacher conferences. In addition, students will read independently. **NCAA Approved**

**135** **Journalism/Media Literacy (Grade 10 – 12)** **.50**  
Media Literacy is a semester class that focuses on understanding mass media in the United States and the practice of journalism. Students become familiar with the First Amendment and how it has been interpreted including privacy, libel, journalistic privilege and public figure. Students will also learn to write more precisely using an Associated Press style manual and the “inverted pyramid” while incorporating quotes from sources. Journalistic ethics will also be discussed and applied as students write stories for possible publication in the OrrViews community newspaper. **NCAA Approved**

## ENGLISH (cont.)

**148** **Yearbook (Grade 10 - 12, by application)** **1.00**  
Members of the OHS yearbook staff are selected from interested sophomores - seniors who turn in completed applications by the deadline. Members of the staff will be charged with the creation of our annual yearbook. They must meet deadlines, attend school regularly, demonstrate good judgment, take initiative on their projects and work well with others. Activities will include selling & creating ads, supervising & organizing photo shoots, and designing layouts all of which will document the history of the school year. This class will require some time outside of class.  
**Fine Arts Credit**

**163A** **Mythology (Grade 10 – 12)** **.50**  
The Greek alphabet, the thirteen titans, and the twelve main gods are the foundation to this classic literature course. After understanding the lineage, multitudes of short stories will offer explanations for everything from weather, to the sound of an echo in a cave, to the logic behind human nature. Ancient Greek writers offer an exciting look back in time where we find humans being strikingly similar to ourselves. **NCAA Approved**

**151** **ACT Prep (Grade 10 – 12)** **.50**  
This class will use ACT Prep materials and is strongly suggested for college bound students. Graded pass/fail (P/F). If student does not have college readiness scores, ACT Prep **must** be taken as a junior.  
**Fee Required**

**175** **3300:111 English Composition I (College Academy)** *semester* **1.00**  
Extensive and varied experience in developing writing skills, with practice in expressive, reflective, and analytic forms of writing. **NCAA Approved**  
**3 College Credit hours earned from The University of Akron**

**176** **3300:112 English Composition II (College Academy)** *semester* **1.00**  
Designed to develop skills in analyzing and writing persuasive arguments. **NCAA Approved**  
**Prerequisite:** English Composition I  
**3 College Credit hours earned from The University of Akron**

## COMMUNICATIONS

**136** **Speech** **.50**  
Speech is a one semester class that focuses the basics of the communication process. Organization, preparation and delivery of the major types of speeches will be covered. The class will include units on discussion, mass media, oral interpretation and debate. **NCAA Approved**

**174A** **7600:106 Effective Oral Communications (College Academy)** *semester* **1.00**  
Principles of communication in speaker-audience, group and informal settings and application of the principles in speeches, group discussions and other oral and written assignments. Cannot be used as credit toward a major in communication. **NCAA Approved**  
**3 College Credit hours earned from The University of Akron**

# MATHEMATICS

- 221 Algebra I 1.00**  
Algebra I is a full year course that teaches the structure of the real number system which lays the foundation for all future mathematics. This class teaches an organized approach to problem solving skills that require mastery of writing expressions, equations and functions. Students will also master rational numbers, solving and analyzing linear equations and inequalities, developing and using proportional reasoning, graphing relations, functions and analyzing linear and polynomial graphs. Factoring and exponential functions will be explored as well. **NCAA Approved**
- 231 Geometry 1.00**  
This class will build upon the skills learned in Algebra I and apply them to solve problems involving Euclidean Geometry. The students will learn properties involving points, lines, planes, polygons, and 3-D objects. Transformations, properties of circles, and geometric probability will also be covered. A special emphasis will be placed upon logical thought, deductive reasoning, and problem-solving skills. **NCAA Approved**
- 235 Honors Geometry 1.00**  
Honors Geometry covers more advanced concepts and material than that covered in Geometry. An emphasis will be placed on using logical thought to prove relationships between segments, lines, angles, circles, and two and three-dimensional figures. A firm grasp of Algebra and problem solving is required. **NCAA Approved**
- 241 Algebra II 1.00**  
Algebra II reviews all of the skills learned in Algebra I and takes each skill to a higher level of understanding and difficulty. The new topics covered are working with irrational numbers, quadratic equations, and relations. Logarithms, Conics, imaginary numbers, matrices and polynomial functions are also introduced in the course as well. **NCAA Approved**
- 245 Honors Algebra II 1.00**  
This class covers more material than Algebra II. The students complete the objectives at a faster pace, and complete more in-depth problems. This course covers all of the objectives that students can expect to have in a college Algebra class. **NCAA Approved**
- 265 Precalculus 1.00**  
This class is designed to extend the concepts and Algebraic properties taught in Algebra II, while providing an introduction to several Calculus concepts. Some of the topics covered include trigonometric identities and functions, vectors, complex numbers, analytical geometry, conic sections, exponential and logarithmic functions, sequences and series, polynomial and rational functions, nature of graphs, limits, derivatives, and integrals. **NCAA Approved**  
**Prerequisite:** Algebra II

## MATHEMATICS (cont.)

- 275** **Probability & Statistics** **1.00**  
The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. A major emphasis will be placed upon: exploring data, sampling and experimentation, finding patterns, and statistical inference. Computer applications and graphing calculators may be used to manipulate data. **NCAA Approved**  
**Prerequisite:** Algebra II
- 277** **Pre-College Mathematics** **1.00**  
This class is designed to apply skills mastered in Algebra I, Geometry, and Algebra II. The class will emphasize mathematical applications and projects. A special emphasis will be placed upon where and when mathematics is used and applied, assisting in the transition to college algebra and independent decision making. Functions, financial algebra, and applications of mathematics to business, life, and social sciences will also be explored and analyzed. **NCAA Approved**
- 293** **3450:149 Precalculus Mathematics (College Academy)** *semester* **1.00**  
This class extends the concepts and algebraic properties taught in Algebra II, while also providing an introduction to several Calculus concepts. A heavy emphasis will be placed on trigonometry and advanced mathematical concepts. Some of the topics covered include trigonometric identities and functions, polar equations, analytical geometry, exponential and logarithmic functions, sequences and series, polynomial and rational functions, and the nature of graphs, limits, derivatives, and integrals. **NCAA Approved**  
**Prerequisite:** Honors Algebra II & ACT Math Score 24 or CA: College Algebra  
**4 College Credits earned from The University of Akron**
- 294** **3450:221 Analytic Geometry - Calculus I (College Academy)** *semester* **1.00**  
Analytic Geometry-Calculus I is the first semester of a three-term introductory sequence in analytic geometry and calculus. The same text is used for all three courses. Topics included are the real numbers, analytic geometry, limits, continuity, derivatives, tangent lines, extremes of functions, Rolle's and the Mean Value Theorem, related rates, antiderivatives, definite integrals, areas, and volumes. Chapters One through Six in the text are covered and reflect the first in the series of a three-semester Analytic Geometry-Calculus sequence. **NCAA Approved**  
**Prerequisite:** CA Precalculus Mathematics with a C- or better or ACT Math Score 28  
**4 College Credits earned from The University of Akron**
- 295** **3470:260 Basic Statistics (College Academy)** *semester* **1.00**  
This class provides an applied approach to data description and statistical inference. Topics for this class include: Gathering and Exploring Data, Probability, Probability Distributions, Sampling Distributions, and Inferential Statistics. A heavy emphasis will be placed on technology and computer applications. **NCAA Approved**  
**Prerequisite:** Algebra II & ACT Math Score 22  
**3 College Credits earned from The University of Akron**
- 299** **3450:145 Algebra for Calculus (College Academy)** *semester* **1.00**  
The course focuses on the study of polynomial, radical, rational, exponential and logarithmic functions and solving linear systems of equations. **NCAA Approved**  
**Prerequisite:** Algebra II & ACT Math Score 21  
**4 College Credits earned from The University of Akron**

## SCIENCE

- 364** **Physical Science** **1.00**  
Physical Science focuses on the study of the physical world, as related to topics of chemistry, introductory physics and space sciences. Students will engage in investigations to understand and explain the behavior of the universe, matter, waves, forces, motion and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis and real-world applications. **NCAA Approved**  
**Class Fee Required**
- 365** **Honors Physical Science** **1.00**  
Honors Physical Science is a college preparatory course designed to lay a foundation of basic Physics concepts while expanding the student's experiences in engineering and communications. **NCAA Approved**  
**Class Fee Required**
- 321** **Biology** **1.00**  
This course, in alignment with Ohio's learning standards, investigates the fundamental concepts of heredity, cells, evolution and the diversity and interdependence of life. **NCAA Approved**  
**Class Fee Required**
- 322** **Honors Biology** **1.00**  
This course, in alignment with Ohio's Learning Standards, investigates in further detail the fundamental concepts of heredity, cells, evolution and the diversity and interdependence of life. **NCAA Approved**  
**Class Fee Required**
- 331** **Chemistry** **1.00**  
The chemistry course is a college preparatory class with emphasis on concept mastery, relevant content and problem solving. The course is heavily involved with theoretical fundamentals and provides a solid background for college level chemistry. Emphasis is placed on formula, equation writing, quantitative and analytical applications. A strong algebra background is suggested. The course introduces students to lab equipment and procedures. **NCAA Approved**  
**Class Fee Required**
- 355** **Anatomy and Physiology** **1.00**  
Anatomy and Physiology is a full year course designed to provide students with a basic understanding of how structure makes function possible. Students will learn about various diseases and disorders associated with each body system due to the disturbance of typical biological functions. **NCAA Approved**  
**Prerequisite:** Biology  
**Class Fee Required**
- 357A & B** **Environmental Science A & B** **.50/.50**  
This course introduces students to key concepts, principles and theories within environmental science. Topics of Earth's resources, global environmental problems and issues as well as the interconnected sphere of the Earth will be discussed. **NCAA Approved**
- 375A & B** **Advanced Biology A & B** **.50/.50**  
This course is an extension of Biology with an emphasis on the study of structure, function, ecology, and evolution at the level of the organism. During each semester, Organismal Biology will concentrate on the function and structure of complex systems and interactions between components of those systems. The first semester will focus on evolution, ecology, bacteria, protists, fungi, and plants. The second semester will have an emphasis on zoology and the animal kingdom and will include multiple animal dissections. **NCAA Approved**



## **SOCIAL STUDIES**

- 421** **U.S. Studies** **1.00**  
This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came-to-pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. **NCAA Approved**
- 422** **Honors U.S. Studies** **1.00**  
This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came-to-pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. The material presented will be more in depth. **NCAA Approved**
- 411** **World Studies** **1.00**  
This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. **NCAA Approved**
- 412** **Honors World Studies** **1.00**  
This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. The material presented will be more in depth. **NCAA Approved**
- 430** **American Government (Grade 11 & 12)** **1.00**  
How the American people govern themselves at national, state and local levels of government is the basis for this course. Students can impact issues addressed by local governments through service learning and senior projects. The course will also examine the use of a budget in making personal economic decisions along with financial literacy. **NCAA Approved**
- 432** **World Contemporary Issues (Grade 11 & 12) (2021-2022)** **.50**  
Students will examine the dynamics of global interactions among nations and regions that present issues and affect all humanity. The course is designed to look at contemporary issues that have political, economic, social, historic, and geographic components. Students will learn the impact of global issues and the relation with media and technology. **NCAA Approved**

## SOCIAL STUDIES (cont.)

- 405** **History Through Sports (Grade 10-12)** **.50**  
History Through Sports will allow students to go through many historical topics, such as the Cold War, Civil Rights Movement, World Wars, Vietnam War, and much more, all while using the sporting world as a vehicle to dive deeper into these topics than ever before. We will not be analyzing the results of sporting events and seasons in this class, but rather the impact that major historical events had on the sporting world, and subsequently, society as a whole.
- 458** **Geography (Grade 10 - 12) (2022-2023)** **.50**  
This course builds on student's understanding of geography and spatial thinking. The course is designed to help students learn how humans have adapted to their environments and the positive and negative influences this has caused to the environment. Students will also learn the locations of physical and cultural features and the impacts of society on these regions. **NCAA Approved**
- 438C** **Psychology (Grade 11 & 12)** **.50**  
Psychology is an introduction to the scientific study of human behavior. The course looks at the human mind and attempts to answer the questions of why people act, think, and feel the way they do. This course is designed to help students gain a basic, working knowledge of the history of psychology, developmental psychology, physiological processes, sensation and perception, learning memory, motivation, emotions, personality, and mental and behavioral disorder. This course is designed to prepare students for introduction to college psychology. **NCAA Approved**
- 403** **History through Film (Grade 11 & 12)** **.50**  
This course is designed to bring to life the historical investigation of Hollywood's portrayal of history. Students will examine both the realities and misconceptions of films dealing with American and world events in the time-period between the American Revolution and today (1770's – today). This non-traditional learning experience will require independent research, analysis, interpretation, and cooperative learning skills. Students will be expected to analyze films and be capable of presenting feedback through various methods including speeches, projects, and presentations.
- 456** **3700:100 Government & Politics in the United States (College Academy) semester** **1.00**  
Examination of the American political system with emphasis on fundamental principles, ideas, institutions and processes of modern government. The course will also examine the use of a budget in making personal economic decisions and planning-for-the-future. **NCAA Approved**  
**3 College Credits earned from The University of Akron**
- 3400:250 U.S. History to 1877 (College Academy) semester** **1.00**  
This course is a historical survey of the United States encompassing its discovery, colonization, fight for independence, formation of government, beginnings of industrialism, and the Civil War and Reconstruction. Course material will be presented in a variety of formats (i.e. lecture, activities, discussion forums, research, book studies, distance learning, etc...). Outside reading and extensive writing are required in this course. **NCAA Approved**  
**4 College Credits from The University of Akron**
- 464** **3600:120 Intro to Ethics (College Academy) semester** **1.00**  
Introduction to problems of moral conduct through readings from the tradition and class discussion; nature of "good", "right", "ought" and "freedom" **NCAA Approved**  
**3 College Credits earned from The University of Akron**

## SOCIAL STUDIES (cont.)

**449B**                      **3400:200 Empires of the Ancient World (College Academy)**                      *semester*                      **1.00**  
This course will apply a global lens to the rise and fall of the world's earliest civilizations and empires across Eurasia. Students will explore global encounters and parallel development from the ancient civilizations of the Fertile Crescent and Egypt., through the rise of Mediterranean and Asiatic empires, culminating in the expansion of Islam and the Mongol conquests. Special consideration will be placed on the role of the Silk Road global history as a means of economic connection and a tool of cultural diffusion. Topics will include the growth of urban trade centers, the spread of religious and philosophical ideas, and the role of large state structures in world history. **NCAA Approved**

**3 College Credits earned from The University of Akron**

**466**                      **2040:241 Technology & Human Values (College Academy)**                      *semester*                      **1.00**  
Examination of impact of scientific and technical change upon people, their values and institutional arrangements. Topics include biomedical technology, automation, economic growth, natural environment and technology and quality of life. **NCAA Approved**

**3 College Credits earned from The University of Akron**

**404**    **Economics (Grade 11 & 12)**    **.50**  
Economics focuses in on government involvement in differing systems of economy. The course is designed to help students understand how governments interact with businesses and the marketplace. This course explains how and why people and societies make economic choices. Students will examine macro and micro economic principles in order to understand the fundamentals of the American and global (international) economic systems. Real world application and examples of economic concepts such as supply and demand, gross domestic product, business functions, inflation, and trade will be explored. **NCAA Approved**

## TECHNOLOGY

**511**    **Introduction to Programming**    **.50**  
This semester course uses the Python programming language to teach programming concepts and problem-solving skills, without assuming any previous programming experience. By using easy-to-understand examples, pseudocode, flowcharts, and other tools, students learn how to design the logic of programs and then implement those programs using Python. This course introduces students to the fundamentals of data storage, input and output, control structures, functions, sequences and lists, file I/O, and objects that are created from standard library classes. Basic computer literacy is required.

**590**    **Introduction to 3D Modeling**    **.50**  
This semester course uses Autodesk 3ds Max, the same software used by professional worldwide, to introduce students to the tools of 3D modeling and animation. Students will be asked to create 3D models using a variety of tools and functions provides in 3ds Max. Working through tutorials and projects, students will learn the skills and the conceptual knowledge that may carry them to further study. Students will explore such concepts as orthographic and perspective views, primitives, wireframes, animation, and more. Basic computer literacy is required. **Fine Arts Credit**

**591**    **Introduction to Photo Editing**    **.50**  
This semester course uses Adobe Photoshop CS5 to introduce students to basic photo editing skills. This course uses creative in-class tutorials and projects, concise instructions, and coverage of basic to advanced Photoshop skills, to help students create, polished, professional-looking photographic art work. Basic computer literacy is required. **Fine Arts Credit**



## FAMILY AND CONSUMER SCIENCES

- 631** **Principles of Food** **.50**  
In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection, and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. **Fee Required**
- 633** **Human Growth and Development** **.50**  
In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social, and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community. As a requirement of this course, students will care for the “Ready-Or-Not Tot” **Fee Required**
- 635** **Textile Design, Construction, and Maintenance** **.50**  
In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze, and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textile products, including home interior accessories and garments. **Fee Required** \*Students will be expected to purchase the majority of sewing supplies not covered in the course fee
- 638** **Culinary Fundamentals** **.50**  
In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection, and proper use of tools and equipment. An emphasis will be placed on “mise en place” (putting in place, as in set-up), the management of time, ingredients, and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. **Fee Required**  
**Prerequisite:** Principles of Foods
- 638A** **Global Foods (2022-23)** **.50**  
In this course, students will compare cuisines, ingredients, and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. **Fee Required**  
**Prerequisite:** Principles of Food
- 638B** **Food Science (2021-22)** **.50**  
In this course, students will apply basic culinary practices and understand how flavor, texture, and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situations. Food safety and sanitation techniques will align with industry-recognized certifications. **Fee Required**  
**Prerequisite:** Principles of Food
- 642** **Independent Study: Textile Design, Construction, and Maintenance (Grade 10-12)** **.50**  
This course is for students seriously interested in the world of fashion. The student, in consultation with the instructor, will be assigned required projects to complete throughout the semester. This class will require an intense work ethic. Graded A-F.  
**Fee Required** \*Students will be expected to purchase supplies not covered in the course fee  
**Prerequisite:** Textile Design, Construction, and Maintenance and instructor signature









## WORLD LANGUAGES

- 731** **Spanish I** **1.00**  
Beginning Spanish is an introductory course where students learn basic Spanish pronunciation, vocabulary and grammar in the context of real-life situations. Focus skills are speaking, listening, reading and writing. The culture of Hispanic countries will also be explored.  
**NCAA Approved**  
**Workbook Fee required**
- 732** **Spanish II** **1.00**  
This intermediate course builds upon Spanish I and focuses on more advanced grammar and vocabulary. Students will further develop all four skill areas. Guided writings and increased student participation in Spanish are key elements of this course. Detailed cultural projects are also included.  
**NCAA Approved**  
**Workbook Fee required**
- 733** **Spanish III** **1.00**  
Conducted primarily in Spanish, this course will allow students to achieve a greater mastery of all four skill areas. Increased conversational skills are emphasized. Advanced grammar structures and vocabulary will be learned. Students will be introduced to Hispanic literature and history as their study of culture continues.  
**NCAA Approved**  
**Workbook Fee required**
- 734** **Spanish IV** **1.00**  
The course includes an intensive review of previously learned material along with expanded vocabulary and grammar. Speaking participation in Spanish is required. Students will read and analyze selections from literature and also discuss the art and history of Spanish speaking countries. Advanced essays and journal entries along with conversational and listening skills will be emphasized. This course will be conducted simultaneously with CA Intermediate Spanish and will include the same activities and expectations.  
**NCAA Approved**
- 737** **3580:101 Beginning Spanish I (College Academy)** *semester* **1.00**  
Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations through culturally authentic media and texts.  
**NCAA Approved**  
**4 College Credits earned from The University of Akron with approved score on CLEP Exam**
- 738** **3580:102 Beginning Spanish II (College Academy)** *semester* **1.00**  
Acquisition of basic reading, speaking, writing and listening comprehension skills, with emphasis on development of self-expression in everyday situations through culturally authentic media and texts.  
**NCAA Approved**  
**4 College Credits earned from The University of Akron with approved score CLEP Exam**

## FINE ARTS

**811** **Intro to Art** **1.00**  
This class enables students to work with a variety of introductory media such as painting and drawing, crafts, cut paper, clay and mixed media. The fundamentals of art are stressed; projects include landscapes, perspective, still life, design, lettering, printmaking, ceramics, sculpture and crafts among others. Topics of study include: The Language of Art, Art Criticism, Art History, Careers in Art and Self Reflection. Evaluation is done on the basis of originality, care in workmanship, and the student's application to their work. A final presentation of creative work will be required in a digital portfolio built using students' own artwork. Study of reference materials will be included.

**Class Fee required**

**813** **Arts and Crafts** **.50**  
This class is designed to introduce basic art and craft techniques. Projects will be selected from sculpture, bookmaking, mosaic styles, fabric manipulation, ceramics, various printmaking styles, drawing and painting with the majority of projects resulting in mixed media. No previous art or craft knowledge is necessary for successful completion of this course. Art Criticism and Self Reflection will play a major role in this course. A final presentation of creative work will be required in a digital portfolio built using students' own artwork. Study of reference materials will also be included.

**Class Fee required**

**814** **Sculpture** **.50**  
This class is designed to introduce basic sculpture techniques as students build projects that are 3-D. Projects will be selected from a variety of media such as cardboard, clay, paper, wire, paper mache', assemblage and paper clay among others. No previous sculpture experience is necessary for successful completion of this course. Art Criticism and Self Reflection will play a major role in this course. A final presentation of creative work will be required in a digital portfolio built using students' own artwork. Study of reference materials will also be included.

**Class Fee required**

**815** **Drawing** **.50**  
This course is for the student who likes to draw and is willing to spend countless hours developing repetitive drawing techniques. A variety of drawing activities and warm up exercises will be explored and the theory of brain hemisphere dominance and its impact on drawing will be emphasized. Assignments will be strategically ordered to promote growth in drawing ability. Students will be expected to draw predominantly from observation as they complete a variety of assignments dealing with the human form, still life and abstract design among others. Principles of composition will be discussed; emphasis on quality-finished work will encourage the student to develop talent. Art Criticism and Self Reflection will play a major role in this course. A final presentation of creative work will be required in a digital portfolio built using students' own artwork. Study of reference materials will also be included.

Because this is an advanced level art class, students will be expected to work outside of the classroom.

**Class Fee required**

**Prerequisite:** Intro to Art

## FINE ARTS (cont.)

**816** **Painting** **.50**  
This course is designed for students who are seriously interested in painting. The student will be expected to complete painting compositions in watercolors and acrylics. In addition, the student will be expected to acquire knowledge of color theory and painting techniques; specifically brush manipulation. Assignments will be strategically ordered to promote growth in painting ability. Students will be expected to paint predominantly from observation as they complete a variety of assignments dealing with the human form, still life and abstract design among others. Art Criticism and Self Reflection will play a major role in this course. A final presentation of creative work will be required in a digital portfolio built using students' own artwork. Study of reference materials will also be included.  
Because this is an advanced level art class, students will be expected to work outside of the classroom  
**Class Fee required**  
**Prerequisite:** Intro to Art

**817** **Independent Study: Art** **1.00/.50**  
Independent Study in Art is designed for students seriously interested in the practical experience of art. In this course students will work to create a *College Entrance Art Portfolio*. This portfolio should demonstrate that you've explored your creativity showcasing what you are best at. Consisting of 12-15 pieces you will focus on Range of Media and Depth of Media, Dynamic Compositions and Depth of Creativity. To complete your College Entrance Art Portfolio you would likely need to take both sections of Independent Study in Art where in each section students will be required to create the following: 4 independent assignments each quarter which totals eight completed assignments per semester. The student, in consultation with the instructor, will set up goals and a list of projects to be worked on during the semester. This class will require an intense work ethic! Art Criticism and Self Reflection will play a major role in this course. A final presentation of creative work will be required in a digital portfolio built using students' own artwork.  
Because this is an advanced level art class, students will be expected to work outside of the classroom.  
**Can be ½ year or full year**  
**Class Fee required**  
**Prerequisite:** Intro to Art, Drawing, Painting, and signature of instruct

**819 / 819A** **Arts in Action I / Arts in Action II** **.50/.50**  
This course is designed for two main reasons: 1) to integrate students and their artistic abilities into the community here at Orrville City Schools and the greater Orrville community at large; 2) to gain experience in the field of education by preparing and teaching lessons to a variety of populations. Students will create work for public display as well as develop projects to be taught to students of different ages and ability levels. Students will also complete weekly art therapy assignments.  
Art Criticism and Self Reflection will play a major role in this course.  
**Class Fee required**  
**Prerequisite:** Intro to Art, 1 advanced class, and signature of instructor

## FINE ARTS (cont.)

- 831** **Band** **1.00**  
Within Orrville High School, five bands serve the musical needs of the school and community. These groups include the symphony band, concert band, marching band, jazz band, and the basketball band. Placement in either the symphony or concert bands is determined by audition. An extensive program of solos and small ensembles is provided. Private instruction is available and encouraged for all wind and percussion instrumentalists.  
**Prerequisite:** Junior High band or permission of instructor after an audition
- 835** **Jazz Band** **.25**  
The Jazz Band is a part of the Orrville Bands. The Jazz Band curriculum includes the study and performance of different jazz musical styles and concepts such as improvisation.
- 839** **Concert Choir** **1.00**  
Placement in the Concert Choir is determined by audition. This course is an introduction to vocal music training. Basic musicianship skills will be taught. Performances are required as part of the course. Existence of the concert choir will be determined by student enrollment in the overall choral program.
- 840** **Women's Choir** **1.00**  
Placement in women's choir is determined by audition. Intermediate musicianship skills are required and practiced, including strong sight-reading skills. Performances are required as part of the course.
- 841** **Symphonic Choir** **1.00**  
Placement in symphonic choir is determined by audition. Advanced musicianship skills will be taught and practiced. Performances are required as part of the course. Small group instruction is provided and encouraged for all singers.
- 842** **Symphonic Select** **.25**  
Placement in Symphonic Select is determined by audition. Symphonic Select meets one or two times during the week, after school, or in the evening. Members are selected from the Symphonic Choir only, and are auditioned by the director. Performances are numerous, and are required as part of the course. A high level of commitment to the group is expected and required.  
**Prerequisite:** Enroll in Symphonic Choir
- 822** **7500:201 Exploring Music: Bach to Rock (College Academy) semester** **1.00**  
This course provides non-music majors with the skills to evaluate a wide range of music.  
**Prerequisite:** 3400:210 or permission of Wayne College Dean  
**3 College Credits earned from The University of Akron**