

**PHILO HIGH SCHOOL**



**2024-2025**

***Course Description Booklet***

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## **EARNING A PHILO HIGH SCHOOL DIPLOMA 2024-2025 SCHOOL YEAR**

**A Philo High School Diploma is awarded to any graduating student who satisfies credit, competency, and readiness requirements.**

### **CREDIT**

**Successfully complete 20 credits in the designated curricular areas.**

- English 4 credits
- Mathematics 4 credits to include Algebra 2 or the equivalent of Algebra 2
- Science 3 credits to include 1 life science, 1 physical science and 1 advanced science
- Social Studies 3 credits to include World History, American History and Government
- Health ½ credit
- Physical Education ½ credit
- Fine Arts 1 credit (two ½ credit courses)
- Personal Finance ½ credit
- College and Career Readiness ½ credit
- Electives 3 credits which includes any class offered that is not already a graduation requirement

### **COMPETENCY**

**Students must meet one of the following:**

- Students must earn a competency score of 684 on the English II and Algebra I end-of-course tests.
- College Credit Plus – Earn college credit in a non-remedial math or English course (for the subject area not passed) to demonstrate competency.
- Earn a remediation free score on the ACT (18 English, 22 Reading, 22 Math) or SAT for the subject area not passed.
- Career Experience and Technical Skill – Complete two demonstrations to show competency, at least one of which must be foundational.

**\*\*Foundational:**

- Earn a cumulative score of proficient or higher on three or more WebXams in a single career pathway.
- Earn an approved industry-recognized credential.
- Earn a state issued license in a vocation that requires one.
- Complete a pre-apprenticeship in the student's chosen career field or show evidence of acceptance into an apprenticeship program (for students ages 18 and older) after high school. Must be registered with the Ohio Apprenticeship Council.





**\*\*Supporting:**


- Complete a 250-hour work-based learning experience with evidence of positive evaluations.
- Earn the workforce readiness score on WorkKeys.
- Earn the OhioMeansJobs Readiness Seal.
- Military Readiness – Competency can be achieved by meeting the requirements to enlist in the military, as demonstrated by a contract with the military to enlist upon graduation.

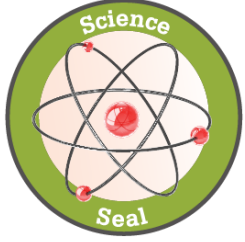
## READINESS/DIPLOMA SEALS


**Students will demonstrate readiness by earning at least two diploma seals**


Ohio law created 12 seals for students to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions. Each seal allows students to demonstrate knowledge and skills essential for future success. Students will demonstrate readiness by earning at least two diploma seals, one of which must be state defined. Seals help students develop an array of critical skills that are valuable to them as they transition to the next steps after high school.





<b>OhioMeansJobs Readiness Seal (State of Ohio Seal)</b>	
Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies. (See page 15-16 for more information)	
<b>Industry-Recognized Credential Seal (State of Ohio Seal)</b>	
Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions.	
<b>College-Ready Seal (State of Ohio Seal)</b>	
Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions.	
<b>Military Enlistment Seal (State of Ohio Seal)</b>	
Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or Participate in an approved JROTC program.	

<b>Citizenship Seal</b> (Complete one of the following) (State of Ohio Seal)	
<ul style="list-style-type: none"> <li>● Earn a score of proficient or higher on both the American history and American government end-of-course exams. (score of 700)</li> <li>● Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams.</li> <li>● Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program.</li> <li>● Earn a final course grade of “B” or higher in American History and American Government.</li> </ul>	

<b>Science Seal</b> (Complete one of the following) (State of Ohio Seal)	
<ul style="list-style-type: none"> <li>● Earn a score of proficient or higher on the biology end-of-course exam. (score of 700)</li> <li>● Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams.</li> <li>● Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program.</li> <li>● Earn a final course grade of “B” or higher in an advanced science course taken in grades 11 or 12.</li> </ul>	

<b>Honors Diploma Seal</b> (State of Ohio Seal)	
<ul style="list-style-type: none"> <li>● Earn one of six Honors Diplomas outlined below: <ul style="list-style-type: none"> <li>○ Academic Honor Diploma</li> <li>○ International Baccalaureate Honors Diploma</li> <li>○ Career-Tech Honors Diploma</li> <li>○ STEM Honors Diploma</li> <li>○ Arts Honors Diploma</li> <li>○ Social Science and Civic Engagement Honors Diploma</li> </ul> </li> </ul>	

<b>Biliteracy Seal</b> (State of Ohio Seal)	
<p>Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.</p>	

<b>Technology Seal (State of Ohio Seal)</b>	
<ul style="list-style-type: none"> <li>● Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate exam.</li> <li>● Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program</li> <li>● Complete a course offered through the district or school that meets guidelines developed by the Department.</li> </ul>	
<b>Community Service Seal (Local Seal)</b>	
<ul style="list-style-type: none"> <li>● Community Service is defined as: taking time and energy to help others without receiving compensation in return.</li> <li>● Document 40 hours of community service.</li> <li>● Volunteer work at: Christ’s Table, Salvation Army, Senior Center, etc.</li> <li>● The community service must be approved by a school counselor/administrator.</li> </ul>	
<b>Student Engagement Seal (Local Seal)</b>	
<ul style="list-style-type: none"> <li>● Student Engagement is defined as: student participation in extracurricular activities in or out of school.</li> <li>● You must participate in a total of 4 seasons/sessions with a culminating activity to demonstrate growth.</li> <li>● Participate in a School-Based Extracurricular Activity: Marching Band, Football, Swim, etc.</li> <li>● Participate in a school club: Key Club, Student Government, etc.</li> <li>● Participate in an out of school club: 4-H, Civic Organization, etc.</li> <li>● Other options will be considered upon request.</li> </ul>	
<b>Fine and Performing Arts Seal (Local Seal)</b>	
<ul style="list-style-type: none"> <li>● You must complete an equivalent of 4 sessions/semesters of participation in fine and performing arts classes/clubs, either in and/or out of school with a culminating activity to demonstrate growth.</li> <li>● School-Based: Art, Band, Choir, Production Technologies, Drama...</li> <li>● Out of School: Private Art Lessons, Dance through a Studio, Music Lessons, Community Theater...</li> <li>● Other options will be considered upon request.</li> </ul>	

## PHILO HIGH SCHOOL HONORS (ACADEMIC HONORS DIPLOMA)

### ACADEMIC HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Science	One additional unit Advanced Science
3 Social Studies	One additional unit Social Studies
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
7 Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

\* Students can use the Student Strength Demonstration to replace one of either the ACT/SAT, GPA or World Language requirement for any Honors Diploma. For more information visit the [Academic Honors Diploma Requirements](#).

### General College Entrance Requirements

English – 4 credits

Science – 4 credits (more for science majors)

Math – 4 credits

Social Studies – 4 credits

Foreign Languages – 2 credits in the same language (3 are strongly recommended)

Fine Arts – 1 credit (Fine Arts include all art classes, yearbook, band, choir and theatre classes)

## **Minimum Scheduling Requirements**

1. A student must schedule a minimum of 7 of the 8 periods each semester. No more than one period may be spent in study hall. Elective subjects such as Music, Social Science, Math, Fine Arts, Fitness, Visual and/or Performing Arts, Languages, etc. are available so that students may choose subjects to take rather than sit idle in study halls.
2. A student may withdraw from a class within the first 5 school days of the semester only with signatures of student, parent, teacher, guidance counselor and principal. Withdrawals after this time period will result in a WF (withdraw failing) mark on the student's transcript. The student will be placed in study hall and be denied special privileges for that period (i.e. library, restroom, computer lab).
3. Schedule changes will be made only when:
  - 1) Student is registered for a course for which they had not met the prerequisite;
  - 2) Student received a course for which they did not register;
  - 3) Student passed a course that they assumed they would fail;
  - 4) Student failed a course required for graduation. \*If a student repeats the class and receives a higher grade, the lower grade will not be counted on the cumulative grade point average.
4. Courses should be taken in proper sequence.
5. Students will be allowed to take one elective course during their high school career on a pass-fail option. They may not take a course pass/fail if they received a grade of B- or higher in a prerequisite course. Students must declare that they are on the pass/fail option during the last two weeks of the 1<sup>st</sup> grading period of the course. The pass/fail form may be picked up in the Guidance Office and signatures must be on it when the form is returned to the Guidance Office. In some instances, the final approval may rest with the Principal.

## **SCHOOL FEES**

School fees are determined by the Board of Education each spring. Some PHS courses may require a fee or there may be general student fee requirement



## **National Honor Society Eligibility**

Membership to this chapter is based upon scholarship, service, leadership and character. To be eligible for membership, current sophomores, juniors and seniors must have a grade point average of 3.3 or higher. *Beginning with this year's incoming freshmen, the class of 2027, the required grade point average will be 3.5 or higher.* Eligible members of the class of 2027 will also have needed to complete ten hours of service or volunteer work prior to being accepted. Students must have taken or currently be enrolled in the core curriculum class listed below:

1. Three years of academic English (Honors, C.P., or College Credit Plus English Courses)
2. Two years of a foreign language (same subject)
3. Two years of academic science (Biology, Chemistry or Physics or College Credit Plus Science courses except for Medical Terminology).
4. Two years of upper level math classes (CP ALGEBRA II, CP Plane Geometry, Pre-Calculus, Calculus or College Credit Plus Math Classes.)

Members are subject to the constitution of the C. Dennis Betz Chapter of the National Honor Society and membership will be reviewed if a student fails to maintain the specified standards for scholarship or behavior.

## **College Credit Plus (CCP)**

College Credit Plus replaces Ohio's Post-Secondary Enrollment Options program (PSEOP) and all alternative dual enrollment programs. Students may earn transcript college and high school credit upon successful completion of the course. All public districts and public institutions of higher education must participate. Each public high school must develop two pathway opportunities.

- \* One where a student can earn 15 transcript credits
- \* One where a student can earn 30 transcript credits

See Pages 11-14 for additional information.

## **PLUMBER & PIPEFITTERS LOCAL UNION 495 JATC Pre-Apprenticeship Program**

This program is open to Juniors who are self-motivated, and have the desire and ability to show up on time every day. This is a two-year program. The basic requirements are: must be at least 16; must be physically capable; have a valid driver's license; have a birth certificate; have at least a 2.0 grade point average and have at least a 95% attendance record. A letter of recommendation is required and a substance abuse screening profile would need to be passed. Students who decide they would like to go through the programs will have to apply and go through a brief interview process. If accepted, these pre-apprentices will attend class one day a week in Cambridge. They will receive over the two years the equivalent education of what Apprentices receive during their 1<sup>st</sup> year of apprenticeship. This includes the credits offered through Owens Community College. If you are interested in this training program, please see your counselor.

### **EXTRA-CURRICULAR ELIGIBILITY**

Eligibility will be based on Board policy. At the end of the grading period, student eligibility will be determined by the following guidelines and any additional eligibility rules imposed by the OHSAA:

1. OHSAA requirements for passing classes leading to five credits which could lead to graduation for the grading period, and must maintain a 1.3 G.P.A. (Block scheduling students must pass 2-½ credits each grading period.)
2. OHSAA requires Junior High students to be passing 4 classes to maintain eligibility. Students in junior high become ineligible with two failing grades of F in all subjects taken during the grading period.
3. Eligibility will be established as follows:
  - a. 1st nine weeks, based on previous year's last nine weeks' grades. (9th graders will be based on junior high requirements)
  - b. 2nd nine weeks will be based on the 1st grading period.
  - c. 3rd nine weeks will be based on the 2nd nine weeks, and so on.

## **Credit Flex Requirements**

Pursuant to state law, the District's plan for credit flexibility must:

- A. Identify multiple methods of communication and the frequency of each method the District will use to communicate the credit flexibility policy and plan to students and parents on an ongoing basis;
- B. Allow demonstrated proficiency options on an ongoing basis;
- C. Allow graded options for demonstrated proficiency;
- D. Allow demonstration of proficiency to count towards course graduation requirements;
- E. Determine credit equivalency for a Carnegie unit;
- F. Prohibit capping or limiting the number of courses or credits earned through credit flexibility;
- G. Allow simultaneous credit and/or partial credit to be earned;
- H. Not prohibit access to online education, post-secondary options or services from another district, as approved by the Board;
- I. Allow, if so desired, the acceptance of credit from other districts and educational providers;
- J. Establish provisions for instances when students do not, or cannot, complete requirements; and
- K. Establish a review process and submit data to the Ohio Department of Education about the methods and frequency of communication with students and parents.

In addition to these requirements, the Superintendent or designee will collect performance data including, but not limited to, the number of participating students, total credits earned and extent to which student participation reflects the student body's diversity.

The Superintendent or designee may maintain a library of courses previously accepted to help students, parents and teachers understand available options, or those unique to local contexts and regional economic development interests.

Adopted: February, 2010

# CCP COURSE ELIGIBILITY ROLES & RESPONSIBILITIES

## SECONDARY SCHOOLS, COLLEGES & UNIVERSITIES

Must include eligible course information in required communications (e.g., information sessions, counselor sessions, and mandatory advising).

## SECONDARY SCHOOLS

Are responsible to verify appropriate course enrollment, and if students are not appropriately enrolled, discuss withdrawal or self-pay options with students and parents.

## COLLEGES & UNIVERSITIES

Must list Level I courses on their websites and send pre-term notices with student enrollment information to secondary schools.

## HOMESCHOOL FAMILIES

Parents of homeschooled students are responsible for the actions required by secondary schools.

## THE CHANCELLOR

The Chancellor has the authority to review college courses to ensure courses meet the requirements of the rule.

## CHANCELLOR APPROVAL OF ADDITIONAL COURSES

**The course eligibility rule provides for colleges & universities to request Chancellor approval for additional courses. Please see the "Resources" page of [www.ohiohighered.org/ccp](http://www.ohiohighered.org/ccp) for more information.**

- 1. Level I Courses:** The chancellor annually may approve additional Level I courses if it is determined that students participating in the College Credit Plus program would benefit from having access to those courses as Level I courses. Any such approval shall take effect at the start of the following academic year.
- 2. Non-allowable Courses:** If a course that is a part of a predetermined pathway (or required sequence of courses) leading to a certificate or degree is described as "non-allowable" under the rule, a college or university may request the chancellor to allow the course, given one or more students who are enrolled through College Credit Plus have shown progress on that pathway or sequence of courses through their previous coursework.

[Rule 3333-1-65.12](#) went into effect starting summer term of the 2018-19 academic year, providing a framework for the types of courses that are eligible for funding under College Credit Plus. Please review the rule language for complete details.

### 1 LEVEL I COURSES – “FIRST 15”

**College Credit Plus students must start with Level I courses for their First 15 credits.**

- Transferable courses (Approved CTAG, OTM, TAG, or equivalent at private college or university)
- Courses in computer science, information technology, anatomy, physiology, or foreign language, including American Sign Language
- Courses in a designated technical certificate program
- Courses in 15-credit hour or 30-credit hour model pathways
- Courses in study skills, academic or career success skills
- Internship courses

#### **Exceptions to Level I Requirements**

- *Exceptions may be made for students to continue with courses in the same subject or for students that test directly into a Level II course.*
- *Students who have attained the required scores on AP or IB course examinations may count those course hours toward their First 15 credits.*

### 2 LEVEL II COURSES

**Once students have completed their First 15 credits, they can move on to Level II courses.**

- Level II courses are any other college courses for which students meet the prerequisites.
- Students are encouraged to continue working toward the certificate or degree pathways started in Level I.

### NON-ALLOWABLE COURSES

**These courses are not permitted under College Credit Plus:**

- Applied courses with one-on-one private instruction
- Courses with high fees (\$750 or more, starting spring 2019)
- Study abroad courses
- Physical education courses
- P/F or S/U graded courses (unless the course is an internship or a transferable course with the same grading scale for all students enrolled)
- Remedial courses
- Sectarian religion courses

[Rule 3333-1-65.13](#) went into effect starting the summer term of the 2018-19 academic year, defining underperforming students and providing regulations for College Credit Plus probation and dismissal from the program.

**PLEASE NOTE:** This rule does not alter, supersede, or affect any college or university policies or procedures on satisfactory academic progress.

## CCP PROBATION

**A student is placed on CCP Probation when he or she either:**

- Has earned lower than a cumulative 2.0 GPA in College Credit Plus courses.
- **or**
- Withdraws from, or receives no credit\* for, two or more courses in same term.

**While on CCP Probation, the student:**

- May only enroll in one College Credit Plus course for one college term (semester/quarter).
- May not enroll in a college course in the same subject in which the student previously earned a D, F, or received no credit.\*

## CCP DISMISSAL

**A student is placed on CCP Dismissal when the student has failed to increase his or her GPA to 2.0 or above in College Credit Plus courses during the CCP Probation term.**

- When placed on CCP Dismissal, the student may not enroll in any College Credit Plus courses for the following college term.
- At the end of the dismissal term, the student can request to be reinstated in the program.
- The student may appeal CCP Dismissal within 5 days of being notified of dismissal status.

## APPEALS

**Probation Appeals:**

- A student on CCP Probation may appeal the ability to take a course in the same subject in which he or she previously earned a D, F, or received no credit.\*

**Dismissal Appeals:**

- Within 5 days of being dismissed, the student may submit an appeal to the secondary school to appeal CCP Dismissal.
- The secondary school shall determine whether the student may continue on CCP Dismissal, move to CCP Probation, or participate without restrictions per the school's adopted policy.

**For both types of appeals:**

- Each secondary school is required create a policy to direct the school's appeal process, as described in [Ohio Administrative Code section 3333-1-65.13](#).
- Extenuating circumstances must be considered, separate from academic performance.

\* "No credit" under this rule has been interpreted to mean a transcript entry of W, NC, or equivalent.

# CCP PROBATION & DISMISSAL ROLES & RESPONSIBILITIES

## STUDENTS, PARENTS, SECONDARY SCHOOLS, COLLEGES, & UNIVERSITIES

Review the complete rule ([Ohio Administrative Code 3333-1-65.13](#) available at <http://codes.ohio.gov>) for details regarding course restrictions, dis-enrollments, policy development, counseling sessions, advising, etc.

## SECONDARY SCHOOLS

Are responsible for:

- Placing students on CCP Probation and/or CCP Dismissal, creating an appeals policy, and managing the appeals process.
- Reviewing the college grades and cumulative GPA's of students.
- Notifying the student and parents of a student's CCP Probation or CCP Dismissal status.
- Verify correct enrollment while on CCP probation.

## COLLEGES & UNIVERSITIES

Are responsible for:

- Sending pre-term notices of student enrollment to secondary schools.
- Sending student grades to secondary schools as soon as possible after the term ends.

## HOMESCHOOLED STUDENTS & FAMILIES

Review entire rule for details on compliance, funding, and payment responsibilities. Actions required by secondary schools must be taken by the parent of the homeschooled student.

## IMPLEMENTATION RESOURCES

Visit the "**Underperforming Students Rule**" section of [www.ohiohighered.org/ccp/resources](http://www.ohiohighered.org/ccp/resources) for:

- [Guidance for Creating an Underperforming Student Policy & Sample Template.](#)
- [CCP Probation and Dismissal Form](#) for use with students and families.
- [Probation Scenarios GPA Calculator](#) to assist with determining student GPA's.



## Earning the OhioMeansJobs-Readiness Seal A Guide for Educators, Students and Families

### The OhioMeansJobs-Readiness Seal

The 21<sup>st</sup> century workplace constantly is evolving. To ensure success in their careers, students must be prepared to engage in this rapidly changing environment. Ohio businesses are seeking talented workers who have solid academic skills such as reading, writing and mathematics, as well as the professional skills required for success in the workplace. Among these professional skills are being reliable, drug free, disciplined and able to solve problems.



Ohio's education system must support students in acquiring the professional skills that Ohioans need to be job-ready. When schools prepare students for the 21<sup>st</sup> century workplace, they also build the talented workforce that Ohio businesses need.

The OhioMeansJobs-Readiness Seal\* is a formal designation a student can earn by demonstrating the professional skills that are required for success in the workplace. The student can earn the OhioMeansJobs-Readiness Seal by asking three or more mentors to validate that the student demonstrated the professional skills valued by Ohio businesses. The OhioMeansJobs-Readiness Seal distinguishes students who are prepared to contribute to the workplace and their communities.

### To earn the OhioMeansJobs-Readiness Seal, each student must complete these steps:

1. Demonstrate proficiency\*\* in each of 15 identified professional skills.
2. Using the OhioMeansJobs-Readiness Seal Form, record how he or she demonstrated each professional skill. A student is only required to document how he or she demonstrated each skill in one of three possible environments – school, work or community. But, the student cannot document all 15 skills in the same environment, for example, school. At least two environments must be reflected among the demonstrated skills.
3. Have each skill validated (confirmed) by at least one mentor. A mentor is an experienced advisor the student trusts. A minimum of three mentors must be involved in the overall validation process and sign the form. By signing the form, each mentor is recommending the student to a prospective employer or higher education provider.

### To go above and beyond in preparation for career or college success, students may:

1. Ask mentors to write letters of recommendation. These can give the student an advantage when applying for jobs or to colleges.
2. Create an OhioMeansJobs K-12 backpack. This will allow the student to explore the free career planning resources available through OhioMeansJobs.com.

\* [Ohio Revised Code 3313.6112](#) establishes the OhioMeansJobs-Readiness Seal.

\*\***Proficient:** Has a deep understanding, can achieve a high standard routinely, takes responsibility for own work, deals with complex situations with confidence, and sees, overall, how individual actions influence outcomes (The Dryfus Model of Skill Acquisition, <http://devmts.org.uk/dreyfus.pdf>).



**Professional skills:**

To understand the skills required for success in the 21<sup>st</sup> century, the OhioMeansJobs-Readiness Seal team surveyed the business community. According to Ohio businesses, students and applicants must demonstrate proficiency in the following professional skills to be ready for work:

- **Drug Free** - The student commits to being drug free.\*\*\*
- **Reliability** - The student has integrity and responsibility in professional settings.
- **Work Ethic** - The student has effective work habits, personal accountability and a determination to succeed.
- **Punctuality** - The student arrives to commitments on time and ready to contribute.
- **Discipline** - The student abides by guidelines, demonstrates self-control and stays on task.
- **Teamwork/Collaboration** - The student builds collaborative relationships with others and can work as part of a team.
- **Professionalism** - The student demonstrates honesty. He or she dresses and acts appropriately and responsibly. He or she learns from mistakes.
- **Learning Agility** - The student desires to continuously learn new information and skills.
- **Critical Thinking/Problem-Solving** - The student exercises strong decision-making skills, analyzes issues effectively and thinks creatively to overcome problems.
- **Leadership** - The student leverages the strengths of others to achieve common goals. He or she coaches and motivates peers and can prioritize and delegate work.
- **Creativity/Innovation** - The student is original and inventive. He or she communicates new ideas to others, drawing on knowledge from different fields to find solutions.
- **Oral and Written Communications** - The student articulates thoughts and ideas clearly and effectively in written and oral forms.
- **Digital Technology** - The student has an understanding of emerging technology and leverages technology to solve problems, complete tasks and accomplish goals.
- **Global/Intercultural Fluency** - The student values, respects and learns from diverse groups of people.
- **Career Management** - The student is a self-advocate. He or she articulates strengths, knowledge and experiences relevant to success in a job or postsecondary education.

**Environments and mentors:**

**School:** The student demonstrates professional skills in a school environment during the school day or during extracurricular activities. School mentors include teachers, administrators, advisors, coaches and others. These activities are separate from work-based or community-based activities.

**Work:** The student demonstrates professional skills in a work environment. Work mentors include supervisors, hiring managers, experienced co-workers and others. These activities are separate from school-based or community-based activities.

**Community:** The student demonstrates professional skills in a community environment. Community mentors include volunteer coordinators, faith-based leaders and others. These activities are separate from school-based or work-based activities.

Students must choose mentors they worked with, activities they participated in and skills they demonstrated while in high school.

\*\*\***Drug Free:** Although commitment to being drug free may not qualify as a "skill," this quality is equally important to employers.

## PHYSICAL EDUCATION WAIVER

### 6.17c – Physical Education Waiver

In accordance with Section 3313.603 of the Ohio Revised Code, Franklin Local Schools will not require a student to complete any physical education course as a condition to graduate high school if they have participated in high school interscholastic athletics, marching band, or cheerleading for at least two full seasons.

In order to be eligible for a Physical Education waiver at Philo High School, students must complete two full seasons of marching band, cheerleading, or high school interscholastic athletics during their 9<sup>th</sup>, 10<sup>th</sup> or 11<sup>th</sup> grade year. The two full seasons requirement can be met within a single school year or over multiple years. The two full seasons requirement may be fulfilled by participating in the same activity multiple years or by “mixing and matching” marching band, cheerleading or high school interscholastic athletics.

If a student is injured during the course of the season he or she is still expected to attend practices, meetings, and games that are not limited by the medical illness or injury throughout the remainder of the season to qualify for the waiver. Failure to meet this requirement would nullify the potential for a physical education waiver. A student who quits or is dismissed from the team is ineligible to earn the physical education waiver for the season in question. This includes dismissal for academic ineligibility as well as violating team, athletic department, or school rules. If the waiver requirements are not met prior to the student’s 12<sup>th</sup> grade year, the student will be enrolled in physical education courses to meet graduation requirements.

Ohio Revised Code provides no provision to permit any type of partial waiver. A student may not meet physical education requirements by mixing physical education credits with the Physical Education Waiver. No retroactive waiver will be given.

Students are **required** to take one-half credit of an elective to replace the one-half credit previously earned by physical education to ensure that the student earns the 20 credits needed to graduate.

# NCAA Division I Academic Standards

## Division I Academic Standards

**Division I schools** require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Earn 16 NCAA-approved core-course credits in the following areas:

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (Including one year of lab, if offered)	<b>EXTRA</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>OTHER</b> Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
<b>4 years</b>	<b>3 years</b>	<b>2 years</b>	<b>1 year</b>	<b>2 years</b>	<b>4 years</b>

2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

### EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division I and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

### QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

### ACADEMIC REDSHIRT

You may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may **NOT** compete during your first year of full-time enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

### NONQUALIFIER

You will not be able to practice, compete or receive an athletics scholarship during your first year of full-time enrollment.





**GRADE 9 REGISTER**

- » If you haven't yet, **register** for a free Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) to ensure you're taking the right courses, and earn the best grades possible!

**GRADE 10 PLAN**

- » If you're being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the required **certification account**.
- » Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

**GRADE 11 STUDY**

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

**GRADE 12 GRADUATE**

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](http://eligibilitycenter.org).
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

**How to plan your high school courses to meet the 16 core-course requirement:  $4 \times 4 = 16$**

9 <sup>th</sup> GRADE	10 <sup>th</sup> GRADE	11 <sup>th</sup> GRADE	12 <sup>th</sup> GRADE
(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other
<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>

**CONTACT THE NCAA ELIGIBILITY CENTER**  
 U.S. and Canada (except Quebec):  
 877-262-1492 (toll free), Monday-Friday  
 9 a.m. to 5 p.m. Eastern time  
 International (including Quebec):  
[on.ncaa.com/IntlContact](http://on.ncaa.com/IntlContact)

[@ncaaec](https://twitter.com/ncaaec) [@ncaaec](https://www.youtube.com/channel/UCncaaec) [@ncaaec](https://www.facebook.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports)

## NCAA Division II Academic Standards

# Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

NCAA DIVISION II

MAKE IT YOURS

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

## EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

## QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

## PARTIAL QUALIFIER

You may practice and receive an athletics scholarship but may **NOT** compete during your first year of full-time enrollment.





How to plan your high school courses to meet the 16 core-course requirement: **4 x 4 = 16**

9 <sup>th</sup> GRADE	10 <sup>th</sup> GRADE	11 <sup>th</sup> GRADE	12 <sup>th</sup> GRADE
(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other
<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>



**CONTACT THE NCAA ELIGIBILITY CENTER**  
 U.S. and Canada (except Quebec):  
 877-262-1492 (toll free), Monday-Friday  
 9 a.m. to 5 p.m. Eastern time  
 International (including Quebec):  
[on.ncaa.com/IntlContact](http://on.ncaa.com/IntlContact)

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 @ncaaec 
 @ncaaec 
 @playcollegesports

## ENGLISH DEPARTMENT

**Students are required by the State of Ohio to earn 4 credits of English**

Length	Course No.	Title	Year	Credit
Year	000	English 9	9	1.00
Year	001	College Prep English 9	9	1.00
Year	002	Honors English 9	9	1.00
Year	003	English 10	10	1.00
Year	004	College Prep English 10	10	1.00
Year	005	Honors English 10	10	1.00
Year	006	English 11	11	1.00
Year	007	College Prep English 11	11	1.00
Year	008	Honors English 11	11	1.00
Year	009	English 12	12	1.00
Year	010	College Prep English 12	12	1.00
Year	011	Honors English 12	12	1.00
Year	012	Yearbook	9,10,11,12	1.00
Semester	013 (ZS)	ENGL 1500 Composition I	CCP	3 Hours
Semester	014 (ZS)	ENGL 2500 Composition II	CCP	3 Hours
Semester	015 (ZS)	ENGL 2600 American Literature	CCP	3 Hours
Semester	016 (ZS)	ENGL 2520 British Literature	CCP	3 Hours
Semester	017 (OUZ)	COMS 1030 Fund of Public Speaking	CCP	3 Hours

### English 9 - 000

This course uses the Ohio Learning Standards for English Language Arts. Students will read and analyze a variety of nonfiction, fiction, poetry, drama, and mythology texts. Students will complete informative, argumentative, and narrative writing assignments while practicing the grammar and conventions of Standard English. Students will also have weekly vocabulary lessons that focus on Greek and Latin word parts. There are key assignments that will be introduced during the course that are required to attain credit for the course.

**Grade:** 9

**Length:** Year

**Prerequisite:** None

**Credit:** 1.00

### College Prep English 9 - 001

This course uses the Ohio Learning Standards for English Language Arts. Students will read and analyze a variety of nonfiction, fiction, poetry, drama, and mythology texts. Students will complete informative, argumentative, and narrative writing assignments while practicing the grammar and conventions of Standard English. Students will also have weekly vocabulary lessons that focus on Greek and Latin word parts. There are key assignments that will be introduced during the course that are required to attain credit for the course. Students may be asked to independently read an assigned novel that will be discussed and assessed in class.

**Grade:** 9

**Length:** Year

**Prerequisite:** None

**Credit:**  
1.00

### Honors English 9 - 002

This course uses the Ohio Learning Standards for English Language Arts. Students will read and analyze a variety of nonfiction, fiction, poetry, drama, and mythology texts. Students will complete informative, argumentative, and narrative writing assignments while practicing the grammar and conventions of Standard English. Students will also have weekly vocabulary lessons that focus on Greek and Latin word parts. There are key assignments that will be introduced during the course that are required to attain credit for the course. Students will be asked to independently read one or more assigned novels that will be discussed and assessed in class. In order to sign up for Honors English 9, an 8<sup>th</sup> grader needs an A or B average in 8<sup>th</sup> grade English and an endorsement from the student's 8<sup>th</sup> grade ELA teacher. **In Honors English, the assumption is that students are willing to work hard and want to do well.**

**Grade:** 9

**Length:** Year

**Prerequisite:** See Description

**Credit:** 1.00

### English 10 - 003

This English course uses the core curriculum which includes world literature in the form of myths, poetry, short stories, non-fiction, and dramas. These works range from the earliest written word through the 21st century. The course is structured around the themes in the textbook. Students will learn to write explanatory, informative, persuasive, and argumentative essays.

**Grade:** 10

**Length:** Year

**Prerequisite:** English 9

**Credit:** 1.00



### College Prep English 10 - 004

This English course uses the core curriculum which includes world literature in the form of myths, poetry, short stories, non-fiction, and dramas. These works range from the earliest written word through the 21st century. The course is structured around the themes in the textbook, but supplemental works will be added. Writing is a big part of this course as students will learn to write explanatory, informative, persuasive, and argumentative essays. Students may be asked to read novels independently and learn to write a literary analysis.

<b>Grade:</b> 10	<b>Length:</b> Year	<b>Prerequisite:</b> English 9/C or better	<b>Credit:</b> 1.00
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### Honors English 10 - 005

This English course uses the core curriculum which includes world literature in the form of myths, poetry, short stories, non-fiction, and dramas but goes far beyond that curriculum. Students will read additional literature with a higher Lexile level. Writing prompts and writing assignments will be based on the themes in the textbook and the supplemental readings. Students will learn to write explanatory, informative, narrative, persuasive, and argumentative essays. In addition, students will have the opportunity to work in groups and independently on several projects. Students may also read novels independently and learn to write a literary analysis. **This is a fast paced course intended to prepare students for Zane State college courses in their junior and senior years.**

<b>Grade:</b> 10	<b>Length:</b> Year	<b>Prerequisite:</b> English 9/B or better	<b>Credit:</b> 1.00
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### English 11 - 006

This English course will be offered to non-college prep juniors. This course is based on the English 11 core curriculum which is American literature. Students will examine short stories, dramas, novels and non-fiction reading. They will also read, discuss and write about current social issues. Students will demonstrate their knowledge of material through reading, writing and various other presentations.

<b>Grade:</b> 11	<b>Length:</b> Year	<b>Prerequisite:</b> English 10	<b>Credit:</b> 1.00
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### College Prep English 11 - 007

This is a college preparatory class for juniors and is very demanding. This course is based on the English 11 core curriculum which is American literature. Students will examine short stories, dramas, novels and non-fiction reading. Students work toward an in-depth understanding of a number of fictional elements by analyzing novels and incorporating literary criticism. Students will read novels independently and write literary analysis.

<b>Grade:</b> 11	<b>Length:</b> Year	<b>Prerequisite:</b> English 10/C or better	<b>Credit:</b> 1.00
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### Honors English 11 - 008

This is a college preparatory class for juniors and is very demanding. This course is based on the English 11 core curriculum which is American literature. Students will examine short stories, dramas, novels and non-fiction reading. Students work toward an in-depth understanding of a number of fictional elements by analyzing novels and incorporating literary criticism. Students will read novels independently and write literary analysis. **This is a fast paced course intended for students who are willing to work hard and want to do well. These students want the rigor of a full year English 11 class.**

<b>Grade:</b> 11	<b>Length:</b> Year	<b>Prerequisite:</b> English 10/B or better	<b>Credit:</b> 1.00
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### English 12 - 009

This English course will be offered to non-college prep seniors. This course is based on the English 12 core curriculum which is British Literature. Students will examine short stories, dramas, novels and non-fiction reading. They will also read, discuss and write about current social issues. Students will demonstrate their knowledge of material through reading, writing and various other presentations.

**Grade:** 12

**Length:** Year

**Prerequisite:** English 11

**Credit:** 1.00

### College Prep English 12 - 010

This is a college preparatory class for seniors and is very demanding. This course is based on the English 12 core curriculum which is British Literature. Students will examine short stories, dramas, novels and non-fiction reading. Students work toward an in-depth understanding of a number of fictional elements by analyzing novels and incorporating literary criticism. Students will read novels independently and write literary analysis.

**Grade:** 12

**Length:** Year

**Prerequisite:** English 11/C+ or better

**Credit:** 1.00

### Honors English 12 - 011

This is a college preparatory class for seniors and is very demanding. This course is based on the English 12 core curriculum which is British Literature. Students will examine short stories, dramas, novels and non-fiction reading. Students work toward an in-depth understanding of a number of fictional elements by analyzing novels and incorporating literary criticism. Students will read novels independently and write literary analysis. **This is a fast paced course intended for students who are willing to work hard and want to do well. These students want the rigor of a full year English 12 class.**

**Grade:** 12

**Length:** Year

**Prerequisite:** English 11/B+ or better

**Credit:** 1.00

### Yearbook - 012

Students will learn skills, including using computers, necessary in planning and executing content and design of the high school yearbook that they will produce. They will be expected to participate.

**Grade:** 9,10,11,12

**Length:** Year

**Prerequisite:** B or better in pervious English

**Credit:** 1.00

### ENGL 1500 Composition I (Zane State) - 013

This course emphasizes the writing and revising process with essay mastery as the primary goal. Students read literary examples as models and write in descriptive, narrative, expository, persuasive and poetic modes. Four research essays, written in APA style, is a requirement to successfully complete this course.

**Grade:** CCP

**Length:** Semester

**Prerequisite:** Accuplacer

**Credit:** 3 Hours

**ENGL 2500 Composition II (Zane State) - 014**

Students will employ the writing process introduced in Composition I. Composition II emphasizes the development of rhetorical skills for literary analysis, critical appraisal and academic research. Students will read several texts and create four persuasive essays.

**Grade:** CCP**Length:** Semester**Prerequisite:** ENGL 1500/C or better**Credit:** 3 Hours**ENGL 2600 American Literature (Zane State) - 015**

This survey course introduces students to a broad range of American Literature (print and film) involving works from the mid-nineteenth century up to the present day. The works studied will include poetry, novels, short stories and nonfiction essays. By reading and analyzing these works, students will learn about significant themes, conventions, literary movements and historical events during their time period and will also strengthen their critical thinking and writing skills. Writers studied may include Walt Whitman, Emily Dickinson, Mark Twain and Robert Frost.

**Grade:** CCP**Length:** Semester**Prerequisite:** ENGL 1500/C or better**Credit:** 3 Hours**ENGL 2520 British Literature (Zane State) - 016**

This survey course introduces students to a broad range of British literature (print and film) involving works from the Early Romantic Period up to the present day. The works studied will include novels, short stories, poetry, and drama. By reading and analyzing these works, students will learn about various themes, conventions, literary movements, and historical events during this time period and will also strengthen their critical thinking skills. Writers studied will include Wordsworth, Dickens, Blake, Shelley, Austen, Keats, Yeats, and Heaney.

**Grade:** CCP**Length:** Semester**Prerequisite:** ENGL 1500/C or better**Credit:** 3 Hours**COMS 1030 Fundamentals of Public Speaking (Ohio University Zanesville - 017)**

The Fundamentals of Public Speaking course develops understanding of theories and skills related to successful communication in the presentational speaking context. Through the use of interpretive and rhetorical methods students understand meaning, context, culture, diversity, ethics, research, and language in the development and delivery of informative and persuasive speeches that are informed by and adapted to desired audiences.

**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 Hours

## MATH DEPARTMENT

**Students are required by the State of Ohio to earn 4 credits of math.**

Length	Course No.	Title	Year	Credit
Year	100	Algebra 1	9	1.00
Year	101	College Prep Algebra 1	9	1.00
Year	102	Honors Algebra 1	9	1.00
Year	103	Applied Algebra	9	1.00
Year	104	Geometry	10,11,12	1.00
Year	105	College Prep Geometry	10,11,12	1.00
Year	106	Honors Geometry	10,11,12	1.00
Year	107	Algebra Lab 1	10	1.00
Year	108	Algebra II	10,11,12	1.00
Year	109	College Prep Algebra II	10,11,12	1.00
Year	110	Honors Algebra II	10,11,12	1.00
Year	111	Pre-Calculus	11,12	1.00
Year	112	Calculus	11,12	1.00
Year	113	Modeling and Quantitative Reasoning	11,12	1.00
Year	114	Transitions to College Math	11,12	1.00
Semester	115	MATH 1050 Quantitative Reasoning	CCP	4 Hours
Semester	116	MATH 1340 College Algebra	CCP	4 hours
Semester	117	MATH 1650 Statistics	CCP	3 Hours
Semester	118	MATH 180 Precalculus	CCP	4 Hours
Year	119	MATH 190 Calculus	CCP	4 Hours

<b>Algebra I - 100</b>			
<p>This course is a study of expressions and equations, linear functions, polynomials and nonlinear functions, radical and rational functions and data analysis. It will address the Algebra I Ohio's Learning Standards that are required for the End of Course Algebra I Exam. This course is offered to all freshmen who have not had Algebra I and sophomores who took Applied Algebra. Both scientific and graphing calculators will be used.</p>			
<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00

### College Prep Algebra I - 101

This course is a study of expressions and equations, linear functions, polynomials and nonlinear functions, radical and rational functions and data analysis. It will address the Algebra I Ohio's Learning Standards that are required for the End of Course Algebra I Exam. This course is a faster pace course intended for students who plan on taking post secondary classes. Both scientific and graphing calculators will be used.

<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00
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### Honors Algebra I - 102

The honors course introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. Students deepen their understanding of quantitative reasoning, piecewise functions, and quadratic functions through performance tasks. The course concludes with students analyzing data through displays and statistical analysis. **This course covers the state learning standards and goes beyond to provide enrichment and challenge.**

<b>Grade:</b> 8,9	<b>Length:</b> Year	<b>Prerequisite:</b> Teacher Recommendation	<b>Credit:</b> 1.00
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### Applied Algebra - 103

Aligned to Ohio's Learning Standards, Applied Algebra is offered as the first in a sequence of high school math courses, with emphasis on preparing ninth graders for successful completion of Algebra I. The course covers foundational standards in Algebra I with focus on linear functions. Students will solve many real world problems and turn verbal scenarios into mathematical form. Study begins with an in-depth review of fractions, decimals, integers, real numbers, exponents and order of operations. Students will become familiar with various data representations including functions, graphs and tables. Students will gain greater understanding with linear models and relationships. Polynomials will be introduced along with performing basic operations. Students will conclude with a brief study of data analysis and statistical measures. By the end, they will have gained a thorough working knowledge of variables, terms, expressions and equations.

<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00
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### Geometry - 104

This course is designed for students going to the Mid-East CTC and the workforce that will have them discover, learn and apply geometry. Students will experience drawing, constructing, measuring, visualizing, comparing, transforming and classifying geometric shapes. This course will help you see how geometry is used in ways that relate directly to your life. It will address the geometry, measurement and data analysis Ohio's Learning Standards that are required for the state End of Course Geometry exam. This course is recommended for sophomores. Both scientific and graphing calculators will be used.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Algebra 1	<b>Credit:</b> 1.00
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### College Prep Geometry - 105

This course is the study of geometric figures, properties of similar and congruent figures, angle relationships, coordinate geometry, transformations, right triangle trigonometric relationships and the validity of conjectures. It will address the geometry, measurement and data analysis Ohio's Learning Standards that are required for the state End of Course Geometry exam. This course is recommended for sophomores who plan on taking post secondary courses. Both scientific and graphing calculators will be used along with compasses and protractors.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Algebra I	<b>Credit:</b> 1.00
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### Honors Geometry - 106

Honors Geometry:

This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will continue to enhance their analytic geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proof, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. **This course covers the state learning standards and goes beyond to provide enrichment and challenge.**

<b>Grade:</b> 8,9,10	<b>Length:</b> Year	<b>Prerequisite:</b> Teacher Recommendation	<b>Credit:</b> 1.00
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### Algebra Lab I - 107

This course is designed to help students who did not demonstrate proficiency on the Algebra I Air Test. It will address the standards from a different perspective and review the foundation topics from the previous course needed to be successful on the state end of course exam in Algebra I. Required for all sophomores who did not achieve a passing score on the Algebra I Air State Test.

<b>Grade:</b> 10	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.25
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### Algebra II - 108

This course is designed for junior students coming from Geometry. This course will be the continuation of Algebra I with the study of linear, second degree, exponential and logarithmic functions. Graphing will be emphasized in the study of functions. Graphing calculators will be used.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Geometry	<b>Credit:</b> 1.00
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### College Prep Algebra II - 109

This course is designed for junior students coming from Geometry. This course will be the continuation of Algebra I with the study of linear, second degree, exponential and logarithmic functions. Graphing will be emphasized in the study of functions. Graphing calculators will be used.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> CP Geometry	<b>Credit:</b> 1.00
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### Honors Algebra II - 110

This course reviews and extends topics from Algebra 1 as well as covering such topics as: linear and polynomial equations, system of equations and inequalities, polynomial and rational expressions, exponents and logarithms, complex numbers, sequences and series, matrices, probability and trigonometry. This class will emphasize problem solving through both traditional methods and through the use of technology. In addition, **Honors Algebra II will be more in-depth, move at a quicker pace, include more challenging problems, and overall sustain a very high cognitive level.** A graphing calculator (TI – 84 Plus) is strongly encouraged for this course.

**Grade:** 10,11

**Length:** Year

**Prerequisite:** Teacher Recommendation

**Credit:** 1.00

### Pre-Calculus - 111

This course contains an in-depth coverage of trigonometry, logarithms, analytic geometry, proofs and upper level algebraic concepts. Topics such as twelve basic functions, trig functions, parametric equations, vectors, polar equations, probability and statistics are covered. Use of the graphing calculator is emphasized.

**Grade:** 11,12

**Length:** Year

**Prerequisite:** CP or Honors Algebra II

**Credit:** 1.00

### Calculus - 112

This course is a first course in a sequence of two covering the fundamental concepts of single variable calculus and their applications. Topics in this course are functions and graphing, limits and continuity, derivatives applications, integrals, applications of integration and integration by substitution. Concepts of differential and integral calculus as applied to trigonometric, inverse trigonometric and transcendental functions are included.

**Grade:** 11,12

**Length:** Year

**Prerequisite:** Precalculus

**Credit:** 1.00

### Modeling and Quantitative Reasoning - 113

Critical thinking and reasoning are the primary objectives and outcomes of this advanced quantitative reasoning course. It includes the application of mathematical skills including algebraic methods to the analysis and interpretation of quantitative information (numbers in context) in real-world situations to make decisions that are relevant to daily life. Students combine problem solving with modeling to analyze real-life situations and devise solution strategies.

**Grade:** 11,12

**Length:** Year

**Prerequisite:** Algebra I, Geometry

**Credit:** 1.00

### Transitions to College Math - 114

This course is designed for juniors and seniors who need to improve their algebra concepts applying to real life situations. Strong review of basic algebra formulas with variables, equations, functions, systems of equations, graphs, trigonometry, and statistics. Graphing calculators will be used.

**Grade:** 12

**Length:** Year

**Prerequisite:** Algebra II or Quantitative Reasoning

**Credit:** 1.00

**MATH 1050 Quantitative Reasoning (Zane State) - 115**

This course is designed to develop students' quantitative and logical reasoning abilities, and improve students' ability to communicate quantitative ideas. This project based course requires the student to create, analyze, and interpret mathematical models based on real world problems. Prerequisite: Placement by the Accuplacer score

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 4 Hours
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**MATH 1340 College Algebra (Zane State) - 116**

Topics include radical and rational exponents, equations and inequalities, functions and graphs, polynomials and rational functions, exponential and logarithmic functions and systems of equations. A graphing calculator is required. To be eligible for this class you must score college ready on the ACT (Math portion 22) or a 97 on the Algebra portion of the Accuplacer if you have not taken Algebra II yet, or if you have passed high school Algebra II, you need a passing Accuplacer score.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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**MATH 1650 Statistics (Zane State) - 117**

Equips students with the understanding of statistical concepts dealing with the processing and interpretation of numerical information. Basic statistical applications including measures of central tendencies and variations, probability, sampling, hypothesis testing and correlation analysis will be studied. A scientific or graphing calculator is required. To be eligible for this class you must score college ready on the ACT (Math portion 22) or Accuplacer and have passed Math 1340

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 3 Hours
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**MATH 180 PreCalculus (Muskingum University) - 118**

Concentrates on preparing students with the concepts and skills that apply to the study on Calculus. Topics include polynomial, exponential, logarithmic, and trigonometric functions along with their equations and graphs. Concepts of analytic geometry are also developed. Not open to students with credit for a higher level math course. To be eligible for this class you must score an ACT Math 21 or higher or SAT Math 546 or higher or College Algebra.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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**MATH 190 Calculus (Muskingum University) - 119**

Introduces the concepts of limit, continuity, derivative, integral, and applications. It assumes some knowledge of trigonometric functions and equations for lines and conic sections. To be eligible for this class you must pass Math 180 or ACT Math 24 or higher or SAT Math 576 or higher.

<b>Grade:</b> CCP	<b>Length:</b> Year	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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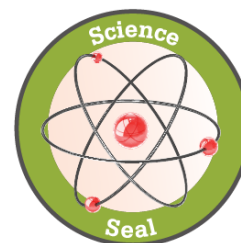
## SCIENCE DEPARTMENT

**Students are required by the State of Ohio to earn 3 science credits: one life science, one physical science and one advanced science.**

Length	Course No.	Title	Year	Credit
Year	200	Physical Science	9	1.00
Year	201	Honors Physical Science	9	1.00
Year	202	General Biology	10	1.00
Year	203	College Prep Biology	10	1.00
Year	204	Honors Biology	10	1.00
Year	205	Environmental Issues	10,11,12	1.00
Year	206	Natural Disasters	10,11,12	1.00
Semester	207	Invertebrate Zoology	10,11,12	0.50
Semester	208	Vertebrate Zoology	10,11,12	0.50
Year	209	Chemistry	10,11,12	1.00
Year	210	Honors Chemistry	10,11,12	1.00
Year	211	Physics	11,12	1.00
Year	212	Honors Physics	11,12	1.00
Semester	213 (HC)	BIOS 1113 Anatomy and Physiology I	CCP	4 Hours
Semester	214 (HC)	BIOS 1114 Anatomy and Physiology II	CCP	4 Hours
Semester	215 (HC)	BIOS 1121 Biology I	CCP	4 Hours
Semester	216 (HC)	BIOS 1122 Biology II	CCP	4 hours
Year	217 (HC)	HLTH 1101 Medical Terminology	CCP	2 Hours
Year	218 (ZS)	CHEM 1010 Introduction to Chemistry	CCP	3 Hours
Semester	219 (ZS)	CHEM 1210 General Chemistry I	CCP	4 Hours
Semester	220 (ZS)	CHEM 1220 General Chemistry II	CCP	4 Hours

**Science Seal** (Complete one of the following) (State of Ohio Seal)

- Earn a score of proficient or higher on the biology end-of-course exam. (score of 700)
- Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams.
- Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program.
- Earn a final course grade of “B” or higher in an advanced science course taken in grades 11 or 12.



**Physical Science - 200**

This course deals with introductory topics in physical science. It is presented to better prepare the student to apply science concepts to everyday life and topics covered in our scientific world. All 9<sup>th</sup> grade students must be enrolled in Physical Science.

<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00
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**Honors Physical Science - 201**

Students in this course should have a strong interest in science and its mathematical interplay. This course stresses application and interrelationships in the realms of physics and chemistry through inquiry and investigation. This course will cover the physics of forces and motion, electricity, light and waves, thermal and nuclear energy, and principles of chemistry including atomic structure, periodic table, chemical bonds, and solutions. Students will engage in much inquiry, investigation, and will be required to write lab reports. Honors Physical Science covers similar topics as Physical Science; however, students will learn core topics in more depth. **There will also be a faster pace, and more individual responsibility to understand the information.**

<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> “A” average in 8th grade science/teacher recommendation	<b>Credit:</b> 1.00
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**General Biology - 202**

Biology is the study of living things. This class teaches biology at a slower pace but focuses on preparation for the Biology AIR test. UNITS OF STUDY: (1) Basic concepts and fundamentals of Biology as a science; (2) Cytology; (3) Biochemistry; (4) Ecological Relationships; (5) Classification.

<b>Grade:</b> 10	<b>Length:</b> Year	<b>Prerequisite:</b> Physical Science	<b>Credit:</b> 1.00
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**College Prep Biology - 203**

Biology is the study of living things. The class is taught on a college preparatory level. UNITS OF STUDY: (1) Basic concepts and fundamentals of Biology as a science; (2) Cytology; (3) Biochemistry; (4) Ecological Relationships; (5) Classification.

<b>Grade:</b> 10	<b>Length:</b> Year	<b>Prerequisite:</b> Physical Science	<b>Credit:</b> 1.00
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### Honors Biology - 204

This course is designed to prepare students for science-related courses of study in college. It covers similar topics as Biology; however, topics are covered more in depth with more reading, writing, and complicated labs. Topics covered include cells, transformation of energy, protein synthesis, genetics, evolution and ecology. Assessments include tests, homework, labs and projects. **There will also be a faster pace, and more individual responsibility to understand the information.**

<b>Grade:</b> 10	<b>Length:</b> Year	<b>Prerequisite:</b> "A" in Physical Science and Teacher Recommendation	<b>Credit:</b> 1.00
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### Environmental issues - 205

Virtually everything we do as individuals and as a society impacts our environment. There has been an ongoing battle between industry and urban expansionists with people who seem to be environmental extremist over the predicted effects of pollution and reduction of habitat for plants and animals. In Environmental Issues we study earth and environmental science in an attempt to develop a balanced view of these problems. Serves as the third science credit required for graduation.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Biology	<b>Credit:</b> 1.00
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### Natural Disasters - 206

Understanding the science and risks behind natural disasters can help us to prepare for and mitigate the impact of destructive events. In this course, we will explore many of the most common natural disasters and the forces that drive them. In particular, we will study plate tectonics, earthquakes, volcanoes, tsunamis, tornadoes, hurricanes, climate change, floods, fires, landslides, avalanches, and impacts with space objects.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Biology	<b>Credit:</b> 1.00
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### Invertebrate Zoology - 207

Introduction to classification, taxonomy, scientific naming, evolutionary theory and the structures and functions of all major invertebrate animal phyla. Animal anatomy, physiology, development, ecology, behavior and evolution will be the major focus. Topics covered include: body plans, characteristics of particular animal groups, similarities and differences between animal groups and the interconnectedness of all living things, including humans.

<b>Grade:</b> 10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Biology	<b>Credit:</b> 0.50
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### Vertebrate Zoology - 208

Introduction to classification, taxonomy, scientific naming, evolutionary theory and the structures and functions of all major vertebrate animal phyla. Animal anatomy, physiology, development, ecology and behavior will be considered when discussing their respective evolutionary paths. Topics covered include: characteristics of vertebrate phyla, similarities and differences between animal groups and the interconnectedness of all living things.

<b>Grade:</b> 10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Biology	<b>Credit:</b> 0.50
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### Chemistry - 209

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of predictive physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure and its interactions is how this course is organized.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Algebra 1	<b>Credit:</b> 1.00
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### Honors Chemistry - 210

This course focuses on matter, its properties, and its changes. During the year, the following topics will be covered: measurement, problem solving, atomic structure, the periodic table, chemical bonding, stoichiometry, gasses, solutions and oxidation-reduction reactions. There is an emphasis on the mathematical approach and experimental data analysis. **This course is designed to progress at a more rapid pace than the regular chemistry course and may cover more topics and laboratory experiments.**

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Biology/Algebra I/B or better	<b>Credit:</b> 1.00
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### Physics - 211

Physics elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Algebra II	<b>Credit:</b> 1.00
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### Honors Physics - 212

Physics elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. **This course is designed to progress at a more rapid pace than the regular Physics course and may cover more topics and laboratory experiments.**

<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Algebra II/B or better	<b>Credit:</b> 1.00
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### BIOS 1113 Anatomy and Physiology I (Hocking College) - 213

This course is the first of two-semester sequences in which human anatomy and physiology are studied using a body systems approach. Anatomy & Physiology I includes: basic anatomical and directional terminology; homeostasis, basic chemical concepts pertaining to physiology, cell structure and function and tissues of the body, as well as the integumentary, skeletal, muscular and parts of the nervous systems. This class requires BIOS 1121, 1122, or a teacher recommendation to take.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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**BIOS 1114 Anatomy and Physiology II (Hocking College) - 214**

This course is the second of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach. Anatomy & Physiology II is a continuation of Anatomy & Physiology I and includes: parts of the nervous system, special senses, the endocrine system, the cardiovascular system, the lymphatic system and immunity; the respiratory system; the digestive system, the urinary system; the reproductive systems, development and heredity. Students wishing to take this course must pass BIOS 1113 with a 73% or higher.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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**BIOS 1121 Biology I (Hocking College) - 215**

This course is the second of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach. Anatomy & Physiology II is a continuation of Anatomy & Physiology I and includes: parts of the nervous system, special senses, the endocrine system, the cardiovascular system, the lymphatic system and immunity; the respiratory system; the digestive system, the urinary system; the reproductive systems, development and heredity.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Teacher Recommendation	<b>Credit:</b> 4 Hours
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**BIOS 1122 Biology II (Hocking College) - 216**

Continues the overview of basic biological principles begun in Biology I. Concepts covered include energetics, evolutionary relationships or various plant and animal populations and biological diversity. Students wishing to take this course must pass BIOS 1121 with a 73% or higher.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> See Description	<b>Credit:</b> 4 Hours
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**HLTH 1101 Medical Terminology (Hocking College) - 217**

The principles of building a basic medical vocabulary are practiced with an emphasis on prefixes, suffixes, and roots. Basic spelling and pronunciation rules are covered. Anatomical, physiological, and pathological terminology pertaining to selected body systems are explored. Selected clinical procedures, laboratory tests, and abbreviations are discussed. With unfolding patient case studies and documentation, students are introduced to various roles in the healthcare environment, illustrating the real-life application of medical terminology in modern health care while facilitating active learning.

<b>Grade:</b> CCP	<b>Length:</b> Year	<b>Prerequisite:</b> Biology C or better	<b>Credit:</b> 2 Hours
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**CHEM 1010 Introduction to Chemistry (Zane State) - 218**

This course is an introduction an introduction to fundamental chemical concepts with topics including, but not limited to, the metric system, atomic structure, periodic classification of elements, chemical bonds and compounds, mole concept, chemical equations and reactions, stoichiometry, gas laws, solutions, chemical equilibrium, and acids and bases.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Math 0970 Placement	<b>Credit:</b> 3 Hours
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**CHEM 1210 General Chemistry I (Zane State) - 219**

This course focuses on the principles of general chemistry, including but not limited to, matter and measurements, dimensional analysis, atomic and molecular structures, chemical formulas, the mole, stoichiometry, solution reactions, thermochemistry, electronic structure at atoms, periodicity, bonding, molecular geometry, and states of matter. This course is recommended for students who are pursuing a degree in a STEM or a health related field. To take this course you must be placed into MATH 1340 or a grade of C or better in MATH 1240 and high school Chemistry or CHEM 1010 with a grade of C or better.

**Grade:** CCP**Length:** Semester**Prerequisite:** See Description**Credit:** 4 Hours**CHEM 1220 General Chemistry II (Zane State) - 220**


This course continues to investigate the principles of college chemistry, including: solutions, chemical equilibrium, acid/base chemistry, biochemistry and organic chemistry. Students will complete lab experiments related to these topics. This course is recommended for students who are pursuing an associate degree in science, engineering or an allied health related field. To take this class you must have earned a C or better in CHEM 1210.

**Grade:** CCP**Length:** Semester**Prerequisite:** See Description**Credit:** 4 Hours

## SOCIAL STUDIES DEPARTMENT

**Students are required by the State of Ohio to earn 3 credits of Social Studies in American History, World History and Government**

Length	Course No.	Title	Year	Credit
Year	300	World History	9	1
Year	301	Honors World History	9	1
Semester	302/302.5	Current Events	9,10,11,12	0.5
Semester	303	Psychology	9,10,11,12	0.5
Semester	304	Sociology	9,10,11,12	0.5
Year	305	American History	10	1
Year	306	Honors American History	10	1
Year	307	Government	11,12	1
Year	308	Honors Government	11,12	1
Semester	309	Lead4Change	9	0.5
Semester	310 (MU)	HIST 105 US History Pre-1877	CCP	3 Hours
Semester	311 (MU)	HIST 106 US History Post-1877	CCP	3 Hours
Semester	312 (OUZ)	POLS 1010 Politics in the United States	CCP	3 Hours
Semester	313 (OUZ)	SOC 1000 Intro to Sociology	CCP	3 Hours
Semester	314 (OUZ)	SW 1000 Intro to Social Work	CCP	3 Hours
Semester	315 (OUZ)	GEOG 1100 Physical Geography	CCP	3 Hours

<b>Citizenship Seal (Complete one of the following) (State of Ohio Seal)</b>	
<ul style="list-style-type: none"> <li>● Earn a score of proficient or higher on both the American history and American government end-of-course exams. (score of 700)</li> <li>● Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams.</li> <li>● Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program.</li> <li>● Earn a final course grade of “B” or higher in American History and American Government.</li> </ul>	

<b>World History - 300</b>			
<p>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. Key historical periods include the Enlightenment, Industrialization, Imperialism, the World Wars and the Cold War.</p>			
<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00

<b>Honors World History - 301</b>			
<p>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. Key historical periods include the Enlightenment, Industrialization, Imperialism, the World Wars and the Cold War. Throughout the course, special emphasis will be placed upon mastery of economic concepts, geography, persons in society, and citizenship rights and responsibilities in accordance with the new state standards for Social Studies. <b>This is an honors level course and will be at a more rigorous level and pace.</b> This class is available only by teacher recommendation.</p>			
<b>Grade:</b> 9	<b>Length:</b> Year	<b>Prerequisite:</b> Teacher Recommendation	<b>Credit:</b> 1.00

<b>Current Events - 302/302.5</b>			
<p>This course is designed to better familiarize students with the world around them. Students will attain and develop a greater comprehension of local, state, national and international issues and how those issues directly impact us. Through readings, discussions and debates, students will learn how to craft well-reasoned opinions grounded by factual information. This course will prepare students to better understand and participate in the democratic society in which they live. This class may be taken twice for credit.</p>			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50



### Psychology - 303

This is an elective course that presents basic information on the history and present uses of Psychology. This course includes the behavior of individuals in the areas of growth and development, perception, learning, attitudes, motivation, emotions, conflict, personality, abnormal behavior, psychological disorders, therapy, mental health, and social behavior.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### Sociology - 304

This is an elective class that is designed to offer insight into our complex and dynamic social environment. Students who take this course will look not only into themselves, but also into their classmates and the world around them. Some of the topics include socialization and the nature of culture (both locally and globally), conformity, deviance, and social stratification. This course will also include selected social problems like prejudice, discrimination, gender roles, crime, and poverty.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### American History - 305

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. Key historical periods include Industrialization, Imperialism, World Wars, Cold War and key political and social developments in America during the decades of the 20<sup>th</sup> century.

**Grade:** 10

**Length:** Year

**Prerequisite:** World History

**Credit:** 1.00

### Honors American History - 306

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. Key historical periods include Industrialization, Imperialism, World Wars, Cold War and key political and social developments in America during the decades of the 20<sup>th</sup> century. **This is an honors level course and will be at a more rigorous level and pace.**

**Grade:** 10

**Length:** Year

**Prerequisite:** World History B+ of Higher

**Credit:** 1.00

### Government - 307

This course will focus on American government at all levels and include an examination of the Constitution, Bill of Rights, three branches of government, law-making process, and state and local government. Students will be encouraged to develop citizenship skills and make connections between concepts in class and current events in America.

<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> American History	<b>Credit:</b> 1.00
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### Honors Government - 308

This course will focus on American government at all levels and include an examination of the Constitution, Bill of Rights, three branches of government, law-making process, and state and local government. Students will be encouraged to develop citizenship skills and make connections between concepts in class and current events in America. **This is an honors level course and will be at a more rigorous level and pace.**

<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> American History/B+ or better	<b>Credit:</b> 1.00
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### Lead4Change - 309

The Lead4Change lessons are rooted in a service-learning framework and encourage students to put the skills they learn into practice. Through each lesson, your students will learn practical leadership skills like: Communication, Self awareness, Collaboration, Problem-solving, Goal Setting, Execution, Crafting a proposal that gets buy-in for their idea. Students create a team – a team is a minimum of three students. As they learn these leadership skills and put them into practice as a team, they'll learn to have agency over their lives and compassion for others – making your classroom a more supportive environment for everyone. At least three students must be on the team in order to complete the project. **Students can earn 3 points toward their 12-Point credential seal by completing this course.**

<b>Grade:</b> 9	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50
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### History 105 United States History to 1877 (Muskingum University) - 310

Covers the period from the first Native American settlements to 1877, emphasizing the origin of the United States and the rise of democratic ideas and institutions.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 Hours
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### History 106 United States History since 1877 (Muskingum University) - 311

Covers the period 1877 to the present, emphasizing the development of the United States as an industrial and a world power.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 Hours
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### Political Science 1010 Politics in the United States (Ohio University Zanesville) - 312

This course examines the nature of American democracy citizen participation, principles of government and political institutions within context of US domestic politics.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 Hours
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**Sociology 1000 Introduction to Sociology (Ohio University Zanesville) - 313**

Nature of human society and factors affecting its development. Fundamental concepts of sociology: culture, personality, socialization, social organization, groups, institutions.

**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 Hours**Social Work 1000 Introduction to Social Work and Social Welfare (Ohio University Zanesville) - 314**

Provides an overview of a range of social problems and society's response to them through the social service delivery system. The problems and services described include: child abuse and neglect, drug and alcohol abuse, poverty, aging, mental health and illness, and corrections. Within this context, various career options and professional roles will be described, including that of social work.

**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 Hours**GEOG 1100 Physical Geography (Ohio University Zanesville) - 315**


An introduction to the earth's dynamic, natural environmental systems—weather and climate, landforms, soils, ecosystems, and biomes.

**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 Hours

## FINE ARTS DEPARTMENT

**Students are required by the State of Ohio to complete 2 semesters of the Performing Arts and/or Visual Arts.**

PERFORMING ARTS				
Length	Course No.	Title	Year	Credit
Year	400	Concert Choir	9,10,11,12	1
Year	401	Vocal Ensemble	9,10,11,12	1
Year	402	Concert Band	9,10,11,12	1
Semester	403	Music Theory I	9,10,11,12	0.50
Semester	404	Music Theory II	9,10,11,12	0.50
Semester	405	Jazz Ensemble	9,10,11,12	0.50
Semester	406	Guitar I	9,10,11,12	0.50
Semester	407	Guitar II	9,10,11,12	0.50
Semester	408	Piano I	9,10,11,12	0.50
Semester	409	Piano II	9,10,11,12	0.50
Semester	410	Music Technology	9,10,11,12	0.50
Semester	411	Digital Media	9,10,11,12	0.50
Semester	412	Solo and Ensemble (Vocal)	9,10,11,12	0.50
Semester	413	Solo and Ensemble (Instrumental)	9,10,11,12	0.50

<b>Fine and Performing Arts Seal (Local Seal)</b>	
<ul style="list-style-type: none"> <li>● You must complete an equivalent of 4 sessions/semesters of participation in fine and performing arts classes/clubs, either in and/or out of school with a culminating activity to demonstrate growth.</li> <li>● School-Based: Art, Band, Choir, Production Technologies, Drama...</li> <li>● Out of School: Private Art Lessons, Dance through a Studio, Music Lessons, Community Theater...</li> <li>● Other options will be considered upon request.</li> </ul>	

**Concert Choir - 400**

Is for students who enjoy vocal performance in a variety of settings including large group, solo and small ensembles. Students develop vocal technique and music reading skills through the study and performance of a variety of choral literature. Concert Choir performs a minimum of three concerts per year, participates in contests and performs at school and community events. Students enrolling in this class should be aware that attendance at rehearsals and performances (both during and after school) are part of the grade requirement.

**Grade:** 9,10,11,12**Length:** Year**Prerequisite:** None**Credit:** 1.00**Vocal Ensemble - 401**

Acceptance into Vocal Ensemble is by audition only. Preference is given to students who have participated in concert choir and/or 8<sup>th</sup> grade choir. Students develop advanced vocal technique and music reading skills through the study and performance of a variety of choral literature. Vocal Ensemble performs at a minimum of six concerts per year, participates in contests and performs at school and community events. Students enrolling in this class should be aware that attendances at rehearsals and concerts (both during and after school) are part of the grade requirement.

**Grade:** 9,10,11,12**Length:** Year**Prerequisite:** Audition**Credit:** 1.00**Concert Band - 402**

The Concert Band provides students with a number of performance opportunities in a variety of settings. This includes: adjudicated, school and community events. The focus of this course is to continue to develop instrumental techniques and music performing skills gained while in previous years of Band. Participation and attendance are an integral part of the program. In addition to attendance during scheduled school hours, rehearsals and performances outside of school are required.

**Grade:** 9,10,11,12**Length:** Year**Prerequisite:** Audition**Credit:** 1.00**Music Theory I - 403**

This course is open to students who are in a school performance class (band, choir, theater, guitar, piano). Students will begin with the basics of music, progress through compositional techniques and incorporate technology into learning and creating music. Students who wish to increase their musical knowledge or prepare for a musical career, are encouraged to take this course.

**Grade:** 9,10,11,12**Length:** Semester**Prerequisite:** None**Credit:** 0.50**Music Theory II - 404**

This course is open to students who are in the school performance class (band, choir, theater, guitar, piano) and have passed Music Theory I. Music Theory II will be offered at the same time as Music Theory I. This class will be a continuation of Music Theory I and build upon previous skills. It will include the study of harmonic structure, style, arranging and composition. Some independent work will occur during class time.

**Grade:** 9,10,11,12**Length:** Semester**Prerequisite:** Music Theory I/B- or better**Credit:** 0.50

<b>Jazz Ensemble - 405</b>			
Jazz Ensemble will provide students the opportunity to study and perform many styles of jazz and popular music as well as improvisation. Instrumentation is limited to saxophones, trombones, trumpets, guitar, bass, piano, drum-set and is contingent upon the director approval including an audition if necessary. Students must be able to read music fluently for the instrument that they will be playing in the ensemble. In addition to attendance during scheduled school hours, after school practices and performances are required.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50

<b>Guitar I - 406</b>			
Students in this class will play the acoustic guitar individually and in small groups. Students will learn how to read melody, chords and chord symbols and will play various types of guitar music. Acoustic guitars will be available to use during this class.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50

<b>Guitar II - 407</b>			
Students will continue their work from level one and advance their playing skills in both individual and class performances.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Guitar I	<b>Credit:</b> 0.50

<b>Piano I - 408</b>			
Students in this class will play the piano individually and in small groups. Students will learn basic piano skills using both hands including 5 finger position, scales, chord progressions, fingering techniques, and accompaniment; learn basic music theory including notes and rhythms; and learn performance etiquette as a performer and as an audience member. Pianos are available for use during class.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50

<b>Piano II - 409</b>			
Students will continue their work from level one and advance their playing skills in both individual and class performances.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Piano I	<b>Credit:</b> 0.50

<b>Music Technology - 410</b>			
Students in this class will explore various aspects of music technology including: recording, looping, remixing, editing and composing digital music and audio on the iPad. Students will also investigate recording equipment and careers in the music industry.			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.50

### **Digital Media - 411**

This course will prepare students for a variety of career paths and will utilize the Ohio Department of Education Media Arts standards as a basis for curriculum. Students taking the course first semester will assist in the media presentations for the scoreboard for football games. Students taking the course second semester will utilize a variety of design elements and demonstrate the skillful adaptation and combination of tools, styles, techniques and interactivity to achieve specific expressive goals in the production of media arts.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Solo and Ensemble (Vocal) - 412**

This course is aimed at music students preparing for participation in OMEA Solo and Ensemble events, honor's groups or college auditions. Students will learn to choose quality repertoire and learn techniques for preparing a solo, ensemble or audition repertoire. In addition to preparing their music, students will also focus on aspects of a successful performance. This class will build upon and extend the previous knowledge of the music student.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Solo and Ensemble (Instrumental) - 413**

This course is aimed at music students preparing for participation in OMEA Solo and Ensemble events, honor's groups or college auditions. Students will learn to choose quality repertoire and learn techniques for preparing a solo, ensemble or audition repertoire. In addition to preparing their music, students will also focus on aspects of a successful performance. This class will build upon and extend the previous knowledge of the music student. Theater students may take this course in the 2nd semester if they are preparing to major in theater. They will prepare appropriate portfolios for the college audition process depending on the requirements of their university program.

**Grade:** 9,10,11,12


**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50



VISUAL ARTS				
Length	Course No.	Title	Year	Credit
Semester	500	Art I	9,10,11,12	1
Semester	501	Art II	9,10,11,12	1
Semester	502	Art III	9,10,11,12	1
Semester	503	Art IV	10,11,12	0.50
Semester	504	Advanced Drawing	11,12	0.50
Semester	505	Advanced Painting	10,11,12	0.50
Semester	506	Three-Dimensional Design	11,12	0.50
Semester	507/507.5	Portfolio Development	11,12	0.50
Semester	508	Interdisciplinary Arts	9,10,11,12	0.50
Semester	509	Acting I	9,10,11,12	0.50
Semester	510	Acting II	9,10,11,12	0.50
Semester	511	Scene/Song Study of Musical Theater	9,10,11,12	0.50
Semester	512	Performance Class	9,10,11,12	0.50
Semester	513	Musical Theater History	9,10,11,12	0.50
Semester	514	Rock and Roll as Performing Arts	9,10,11,12	0.50
Semester	515	Stage Costume, Makeup, and Hair Design	9,10,11,12	0.50
Semester	516	Improvisation	9,10,11,12	0.50
Semester	517	Arts Management for Performance	9,10,11,12	0.50
Semester	518	Directing, Producing & Stage Management	9,10,11,12	0.50

Fine and Performing Arts Seal (Local Seal)	
<ul style="list-style-type: none"> <li>You must complete an equivalent of 4 sessions/semesters of participation in fine and performing arts classes/clubs, either in and/or out of school with a culminating activity to demonstrate growth.</li> <li>School-Based: Art, Band, Choir, Production Technologies, Drama...</li> <li>Out of School: Private Art Lessons, Dance through a Studio, Music Lessons, Community Theater...</li> <li>Other options will be considered upon request.</li> </ul>	

**Art I - 500**

This course is the foundation for all other visual art classes. Students will experience a broad range of 2D media. Students will critique, reflect and analyze their work, the work of professional artists and key historical pieces. Students will gain an understanding and appreciation of the arts in their daily lives. Students will keep a sketchbook and develop a portfolio. They will have to purchase supplies. The average cost could be over \$30.00. That includes their brushes, markers, acrylic paint and canvas panels and colored pencils.

**Grade:** 9,10,11,12**Length:** Semester**Prerequisite:** None**Credit:** 0.50**Art II - 501**

This course is a continuation of Art I. Students will experience more 2D and 3D media. As their skills and creative problem techniques grow, their ability to express original ideas, thoughts and concepts will deepen. Working from life and direct observation are still a key part of this course. Class critiques, and written reflections will help the students reach their personal goals. Students will continue to gain confidence in their skills and abilities. Students will continue their sketchbook and portfolio. They will have to purchase supplies; average cost could be over \$30.00.

**Grade:** 9,10,11,12**Length:** Semester**Prerequisite:** Art I/B or better**Credit:** 0.50**Art III - 502**

This course will require students to develop a scope of work showing depth in selected media, personal style in original compositions and a working knowledge of design. Students will select three different media to explore, research, analyze and execute for their portfolio. Critiques and sketchbook reviews will help guide this process. Research will be done about various cultures, symbols, events, social issues and reoccurring themes past and present. This will help the students understand and create meaningful artwork. They will have to purchase supplies; average cost could be over \$40.00.

**Grade:** 10,11,12**Length:** Semester**Prerequisite:** Art II/B or better**Credit:** 0.50**Art IV - 503**

This course is designed for the self-motivated student who works in a variety of media and needs to develop a portfolio suitable for college applications. The media could be 2D or 3D and it will be selected by the student. The students will work independently on their selected themes and projects. Each major project will be presented to the teacher for review and any needed modifications. The student's sketchbook is a key part to this process and way of working. Ideas are developed over time and research is needed for some concepts to be successfully carried out. Critiques and written reflections will continue. They will have to purchase supplies; the average cost could be over \$40.00.

**Grade:** 10,11,12**Length:** Semester**Prerequisite:** Art III/B or better**Credit:** 0.50

### Advanced Drawing - 504

This course is an in-depth study of 2D design and related media. Students will draw from direct observations, still life arrangements and their own thumbnail sketches. Students will research styles and themes in 2D design and how it influences their daily lives. They will study careers and jobs that use drawing methods like industrial designers and architects. Past and present styles and themes will be analyzed. They will keep a sketchbook and portfolio. They will have to purchase supplies; the average cost could be over \$40.00.

**Grade:** 11,12

**Length:** Semester

**Prerequisite:** Art II/B or better

**Credit:** 0.50

### Advanced Painting - 505

This course is an in-depth study of all water based media that can be used in traditional and non-traditional painting methods. Many different tools, surfaces and related painting supplies will be covered. Students will experiment; develop studies of a subject before going on to the final rendering. In depth study of the key master pieces will help the students grow in their understanding of what makes a good painting. Students will develop a series of paintings or several large paintings. They will continue their sketchbook and portfolio. They will have to purchase supplies; the average cost could be over \$40.00.

**Grade:** 10,11,12

**Length:** Semester

**Prerequisite:** Art II/B or better

**Credit:** 0.50

### Three-Dimensional Design - 506

This course will expand on the foundation laid in Art I and Art II when designing artworks in 3D. Various materials and media will be used including clay, fibers, wood, metal and paper-mâché. Students will focus on functional and decorative pieces. They will research key artists and time periods that had a great influence on 3D design. They will maintain their sketchbook. They will have to purchase supplies; the average cost could be over \$40.00.

**Grade:** 11,12

**Length:** Semester

**Prerequisite:** Teacher Permission

**Credit:** 0.50

### Portfolio Development - 507/507.5

If one semester is all that works in the student's schedule, it needs to be the first semester that the student takes this class to get the work done by the college deadlines. This course is an in-depth, independent study for students who are pursuing training, a degree or a career in the art field after high school. The body of work created during this class will be presented at portfolio reviews, scholarship competitions and college entrance requirements. A minimum of 20 original works of art will be created. Students must be self-motivated, be able to talk about their work and be comfortable with the critique process. The focus will be on refining skills, continuing the development of style, purpose and meaning in their work. Self-reflection and analysis will be part of the process. Students will have to purchase not only supplies, but matting and framing materials and presentation portfolios. Also some schools require a digital copy of all art work and there may be a cost. Students may take this for the entire year and receive a full credit.

**Grade:** 11,12

**Length:** Semester

**Prerequisite:** Teacher Permission

**Credit:** 0.50

### Interdisciplinary Arts - 508

This course is taught jointly between the Art department and the Technology Department. Every student is selected to take this course.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Teacher Permission

**Credit:** 0.50

### **Acting I - 509**

The purpose of this course is to develop appreciation and knowledge of theater as a performing art and to apply that knowledge in the appropriate setting. This course is designed to give novice students a chance to explore theater. Students will be introduced to theater, plays and production elements, as well as fundamental skills involved in improvisation, oral interpretation, and acting. This will include team building, terminology, and acting/scene study. Spolin Improvisation and the Stanislavski method for acting will be used as teaching platforms, laying the foundation for well-trained actors at every level. Additional areas of focus will include Speech, Stage Management/Marketing, Basic Movement/Blocking. Students will participate in the preparation of our school productions through their class activities and are encouraged to participate in the after-school productions. This course is designed for every student in grades 9 - 12 and will be individualized and leveled based on individual skill placement. This course is based on Ohio Academic 2021 draft standards for drama, proficient level.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Acting II - 510**

Description: Students performing at this level have previously taken an acting class and are considered experienced. This class will provide students an opportunity to advance the fundamentals of acting and scene study through a process of analyzing artistic style/themes, plot structures, and performing advanced monologues. Advanced Spolin Improvisation and the Stanislavski method for acting will be used as teaching platforms for all acting courses. Students will participate in the preparation of our school productions through their class activities and are encouraged to participate in the after-school productions. This course is designed for students in grades 9 - 12 and will be individualized and leveled based on individual skill placement. This course is based on Ohio Academic 2021 draft standards for drama, accomplished level.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Acting I

**Credit:** 0.50

### **Scene/Song Study of Musical Theater - 511**

This course is designed to develop an understanding and appreciation of musical theater as an art form and to understand its placement in the American Theatre setting. Students will not only learn how musical theater fits in a broader spectrum of performing arts, but also refine vocal and music techniques for stage performance, use of body movement and blocking, scene/song study, various musical styles, audition process and techniques. Performance based assessments. The course is based on the Ohio Academic 2021 draft standards for drama, proficient and accomplished level.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Performance Class- 512**

This course is designed specifically for students that want to explore performance opportunities and focus on stage presence development. Students that study private voice, instrument, or dance, or enjoy performing and want more opportunities to perform are excellent candidates for this course. Connecting with your audience with a commanding stage presence is an integral part of performance success. Students will develop skills and techniques that are vital to a successful stage performance/stage presence. The instructor will utilize coaching as a platform for instructing students with an array of performance opportunities throughout the year. Audition process, marketing, and promotion will also be a focus of this course (as determined by individual medium.) The course will be based on the Ohio Academic 2021 draft standards for drama and music, accomplished level

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Teacher Permission

**Credit:** 0.50

### **Musical Theater History - 513**

This course will examine the genre of musical theater through the study of scripts and video performances of musicals. The emphasis will be on the history of musical theater and its key composers, lyricists and playwrights. Students will study in-depth the production planned for PHS and actively develop and prepare for the production via class assignments and real world application of skills. They are encouraged to participate in the after-school productions. This course is based on the Ohio Academic 2021 draft standards for drama, proficient level.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Rock-n-Roll as Performing Arts - 514**

This class will explore the time period before and leading up to Rock and Roll. Students will enjoy learning about the performances and musical styles in our country, leading up to the establishment of Rock and Roll as a musical style. This is for a student that wants to understand American music styles and specifically evaluate the performances of music styles leading up to, and including Rock and Roll. This course is based on the Ohio Academic 2021 draft standards for music, proficient level.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Stage Costume, Hair, Makeup Design - 515**

This technical theater course will focus on design and production of stage hair, makeup and costuming. Students will learn basic procedures and techniques for developing appropriate stage costuming, hair and makeup based on elements of the script. The course will be based on the Ohio Academic 2021 draft standards for drama and music.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Improvisation - 516**

This course is designed for students to explore their own reaction to acting on their feet! Physical and mental exercises will develop the integration of improv into acting. This course will enhance student spontaneity, creative response, physical sensory and range of their imagination. Spolin method will be used for this course. The course will be based on the Ohio Academic 2021 draft standards for drama.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

### **Arts Management for Performance - 517**

This course is designed for students to explore the field of arts management. Specifically in the area of performing arts. Students will create, develop, facilitate and evaluate the foundation of the arts management in cultural programs and organizations. The focus will be on arts managers and their role they play in theater companies, dance troupes, art councils, festivals and orchestras. Students will learn all dimensions of being an arts manager. This course is based on the Ohio Academic draft 2021 standards for drama.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

## Directing, Producing, and Stage Management - 518

This course will focus on all of the technical elements of theater. Students will study safety, theater terms, tools, props, scenery, construction and deconstruction (strike), lighting, audio, backstage work. Students will study scripts and apply proper execution of stage design development, management and directing elements. Students will demonstrate mastery by developing and applying techniques for school productions as student director, technical director, producer and/or portfolio presentation. Advanced students may use their skills from prior courses to bring to life original concepts, props, backdrops, costumes and scenic designs. Advanced students may also build scale models or drawings in preparation for full scale production/construction. They may also work on the school productions at the same time as their original work is in development. This course is based on the Ohio Academic draft 2021 standards for drama, proficient level and accomplished level, determined by individual student placement

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.50

## Health and Physical Education

Students are required by the State of Ohio to earn 0.5 credit of Health and 0.5 credit of PE

Length	Course No.	Title	Year	Credit
Semester	600/600.5	Physical Education	9,10,11,12	0.25
Semester	601	Summer Physical Education	9,10,11,12	0.25
Semester	602	Health	9,10,11,12	0.5
Semester	603/603.5	Athletic Training	9,10,11,12	0.5
Semester	604/604.5	No Credit Lifting	10,11,12	0.00
Semester	605	Introduction to Sports Officiating	10,11,12	0.5

### Physical Education - 600/600.5

Physical Education is required of all students. The only exceptions are students with medical excuses on file in the office. The activities that fall within this course are designed to meet the new requirements established by the ODE. This course is designed to increase physical fitness and health levels and to develop skill and knowledge in a variety of sports and activities. Students will be required to develop their own personal fitness program and maintain a log for the semester according to the new ODE standard. If you take P.E. first semester, you may follow with P.E. second semester, completing all P.E. graduation requirements in one year. Students will be introduced to the use of heart monitors and core training through the use of exercise, medicine and Bosu balls. Activities will focus on the new ODE standards that students must be graded upon.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.25
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### Summer Physical Education - 601

Same description as regular physical education with these additions: Registration set by school (\$40 fee), plus additional fees for swimming, bowling, golf and other activities. Course usually runs three weeks, five days a week, four hours each day, and is offered in the morning or afternoon.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Summer	<b>Prerequisite:</b> None	<b>Credit:</b> 0.25
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### Health - 602

This course is required for graduation and for Mid-East CTC school attendance. This course will cover all areas of health: STDS/HIV/AIDS, infectious/non-infectious diseases, & tobacco. Drugs, alcohol, male/female relationships, nutrition and fitness will be some topics discussed. As per ODE, all students are required to complete a cognitive evaluation CPR course during this semester.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.5
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### **Athletic Training - 603/603.5**

This is a credit flex course for high school credit which will require some additional paperwork. Focus is upon the initial management of common injuries resulting from physical activity. By understanding risk factors associated with participation in a variety of sports, students learn skills related to prevention, recognition and treatment. There will be some required time after school to work with school sports teams.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### **No Credit Lifting- 604/604.5**

This course will allow students to weight train during the school day. This class does not earn any credit and is reserved for students who are involved in interscholastic sports. Non-athletes who wish to weight train should take PE Fitness.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Athlete's Only

**Credit:** 0.00

### **Introduction to Sports Officiating- 605**

This course is an elective that focuses on the professional philosophy, and professional requirements for officiating sports for athletic contests. This course is designed to enable students to acquire knowledge of sport rules and regulations, to develop skills in officiating selected sports. Students will be studying officiating while learning the rules, mechanics and fundamentals of sports. This class will offer the opportunity for student training and practical experiences in officiating sports and the knowledge and expertise necessary to officiate. In addition to learning the rules and mechanics of officiating, students will have the opportunity to demonstrate these learned skills. Students enrolled in this course will be required to officiate a variety of team sports. Upon completion of the course, students will be afforded the option to take certification exams for any of the sport components and become a Class 3 certified official with the Ohio High School Athletic Association at the middle/junior high school level. Students must have a background in athletics or the passion to become more familiar with athletics and how supporting organized team sport competitions can contribute to individual and community health. This course DOES NOT fulfill/replace the PE or Health course required for graduation. The purchase of a black "Fox 40" whistle is required.

**Grade:** 10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

## Business

**Students are required by the State of Ohio to earn ½ credit of Personal Finance and ½ credit of either Career Readiness or College Readiness.**

Length	Course No.	Title	Year	Credit
Semester	700	Keyboarding I	9,10,11,12	0.5
Semester	701	Keyboarding II	9,10,11,12	0.5
Semester	702	College Readiness	12	0.5
Semester	703	Career Readiness	12	0.5
Semester	704	Personal Finance	10,11	0.5
Year	705	Work Based Learning	12	2
Semester	706 (ZS)	ECON 1510 Microeconomics	CCP	3 hours
Semester	707 (ZS)	ECON 1520 Macroeconomics	CCP	3 hours
Semester	708 (ZS)	BMCA 1010 Intro to Microcomputers	CCP	3 hours
Semester	709 (ZS)	BUSM 1110 Principles of Management	CCP	3 hours
Semester	710 (ZS)	BUSM 2620 Organizational Behavior	CCP	3 hours
Semester	711 (ZS)	MKTG 1000 Marketing	CCP	3 hours

### Keyboarding - 700

This is an elective class that is designed to provide an opportunity to learn to touch type on the computer keyboard using correct techniques as well as the development of speed and accuracy. Students will be introduced to the formatting of personal and business letters, tables, notes, memos, and reports. Online etiquette and how to write an email will also be addressed.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### Keyboarding II - 701

A hands-on technology and business course that focuses on strengthening skills in keyboarding, digital citizenship, and computer applications. Students will utilize multiple programs that will transform them into more employable adults.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Keyboarding/C or Better

**Credit:** 0.5

### College Readiness - 702

This course exposes students to the requirements and skills needed to continue their education beyond Philo High School. The course will focus on helping students decide what post-secondary life path they will pursue after high school. While taking College Readiness, students will be exposed to different types of post-secondary education options (4-year traditional, 2-year, military and technical career based, etc.). Some of the skills students will learn are: understanding the Free Application for Federal Student Aid (FAFSA), how to fill out and locate scholarship applications, how to interview for a scholarship, applying to a college/university, what they need to obtain funding wise for their education, cost cutting measures, and they will be exposed to different career paths. This course will help the students at Philo High School make the transition from high school student to productive post-secondary oriented adults.

**Grade:** 12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### Career Readiness - 703

This course exposes students to the requirements and skills needed to continue their career paths beyond Philo High School. The course will focus on helping students decide what career life path they will pursue after high school. While taking Career Readiness, students will be exposed to different types of career options (military, skilled trades, local and nationwide businesses). Some of the skills students will learn are: how to fill out an application, creating a resume/cover letter, networking, budgeting, insurance, retirement plans, how to locate local and national employment opportunities, and how to conduct a job interview. This course will help the students at Philo High School make the transition from high school student to productive career oriented adults.

**Grade:** 12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### Personal Finance - 704

Students will develop and utilize rational decision-making processes to form personal financial decisions in their roles as citizens, workers and consumers. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contacts and consumer protection. **Students can earn 3 points toward their 12-Point credential seal through Lean Six Sigma in this course.**

**Grade:** 10,11

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

**Work Based Learning - 705**

Students will have sustained interactions with industry or community professionals in real workplace settings. Learning agreements should be developed in partnership with all relevant stakeholders, including, but not limited to, the student, parent and/or caregiver, employer or business mentor and instructor. The student should be the primary leader and decision-maker of the experience. Learning agreements and other documentation of the work-based learning experience (including financial records, evidence of planning, student reflections and supervisor evaluations) can and should be considered as a source of data for demonstrating student growth. Students must have employment at the beginning of the course. Students must work an average of 12 hours per week for each nine weeks and show documentation. Students will earn a pass or fail grade. This class is worth 2 credits and is all year long. THIS CLASS EARNS AN OHIO MEANS JOBS READINESS SEAL.

<b>Grade:</b> 12	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 2.0
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**ECON 1510 Microeconomics (Zane State) - 706**

Fundamentals of microeconomics: a study of the individual firm and how it allocates resources, prices goods and services, and organizes itself to meet competition. Focuses on the behavior of customers and supplies in the marketplace which affects the kinds of goods and services produced and consumed through an understanding of demand and supply schedules, elasticity and subdivision, fixed, variable, marginal and total revenue, and profit maximization, government intervention and income distribution. Enables students to apply economic reasoning to better understand and critically evaluate real world circumstances and events.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 hours
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**ECON 1520 Macroeconomics (Zane State) - 707**

A study of the overall performance of an economy of a society as a whole entity. Alternative economic systems are explored and macroeconomics students the various mechanisms a society can use to allocate scarce resources.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 hours
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**BMCA 1010 Introduction to Microcomputers Concepts and App. (Zane State) - 708**

This is a general survey course covering a variety of computer topics and applications. Computer history, concepts, and terminology will be explored. You will also be introduced to Windows and the Internet as well as Word, Access, Excel and PowerPoint.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 hours
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**BUSM 1110 Principles of Management (Zane State) - 709**

A study of managerial functions including planning, organizing, leading, and controlling; and their implementation by objectives, policies, decision making, authority, executive development, communication, and attitude.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 3 hours
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**BUSM 2620 Organizational Behavior (Zane State) - 710**

Students will study human behavior, emphasizing career successes, in organizations including business, industry and the government. Topics include motivation, high performance organizations, group and conflict processes. The student will use both learning theory and critical thinking skills in experiential exercises and case studies relevant to the workplace.


**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 hours**MKTG 1000 Marketing (Zane State) - 711**

A critical study of the field of marketing institutions and functions with an emphasis on problems and practices in marketing. Presents the development and present status of the marketing system in the United States. Areas covered are consumer and industrial markets, retailing and wholesaling structure, and marketing functions and policies.

**Grade:** CCP**Length:** Semester**Prerequisite:** Accuplacer**Credit:** 3 hours

## World Languages

Length	Course No.	Title	Year	Credit
Year	801	French II	10,11,12	1.00
Year	802	French III	11,12	1.00
Year	803	French IV	12	1.00
Year	805	Spanish II	10,11,12	1.00
Year	806	Spanish III	11,12	1.00
Year	807	Spanish IV	12	1.00
Year	808	American Sign Language I	9,10,11,12	1.00
Year	809	American Sign Language II	10,11,12	1.00
Year	810	American Sign Language III	11,12	1.00
Semester	811	SPAN 1110 Elementary Spanish I	CCP	4 Hours

<b>Biliteracy Seal (State of Ohio Seal)</b>	
<p>Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.</p>	

<b>French II - 801</b>			
<p>This is an elective class that is designed to provide an opportunity to learn to touch type on the computer keyboard using correct techniques as well as the development of speed and accuracy. Students will be introduced to the formatting of personal and business letters, tables, notes, memos, and reports. Online etiquette and how to write an email will also be addressed.</p>			
<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> French I/C or better	<b>Credit:</b> 1.00

<b>French III - 802</b>			
<p>This course reviews, reinforces and builds on the language skills learned in French I and II. Reading, writing, grammar, speaking and culture are emphasized.</p>			
<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> French II/C or better	<b>Credit:</b> 1.00

**French IV - 803**

Reading, writing, speaking, listening, grammar and culture are continued in this course. French literature is studied. Students are required to purchase "*Le Petit Prince*".

<b>Grade:</b> 12	<b>Length:</b> Year	<b>Prerequisite:</b> French III/C or better	<b>Credit:</b> 1.00
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**Spanish II - 805**

This is a continuation of Spanish I. It is a further study and application of Spanish grammar through written composition and oral presentation. It includes the study of the preterit and imperfect tenses, future and conditional tenses, and the subjunctive mood. Also included will be a comprehensive study of the present perfect and present progressive. Students will demonstrate an understanding of their own cultures as compared to those studied and recognize distinctive viewpoints from both cultures.

<b>Grade:</b> 10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Spanish I/C or better	<b>Credit:</b> 1.00
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**Spanish III - 806**

Spanish III continues the study of grammar while building vocabulary through the introduction of literature. Students develop greater fluency through compositions, oral presentations and reading comprehension. There is also an in-depth study of Spanish speaking countries and their various cultures. NOTE: Spanish III students will use the language within and beyond the school setting by providing instruction in the language to other students within the district and cultural entertainment to those outside the school system. They will further understand and interpret the written and spoken language. Students will acquire additional information and recognize distinctive viewpoints through the modern language and its cultures. This class requires student planning and implementation of projects to demonstrate mastery of Ohio's World Language Standards.

<b>Grade:</b> 11,12	<b>Length:</b> Year	<b>Prerequisite:</b> Spanish II/C or better	<b>Credit:</b> 1.00
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**Spanish IV - 807**

This is an in-depth continuation of previous levels. Included in class will be a study of short stories, compositions and literature. Students are expected to develop greater fluency through the continued study of the language. Students will show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment. NOTE: Spanish IV students will use the language within and beyond the school setting by providing instruction in the language to other students within the district and cultural entertainment to those outside the school system. Students will demonstrate an understanding of the nature of language and the concept of culture through comparisons of their own language to the Spanish language and Hispanic cultures. Students will demonstrate an understanding of products, practices, and perspectives of the cultures studied. This class requires student planning and implementation of projects to demonstrate mastery of Ohio's World Language Standards.

<b>Grade:</b> 12	<b>Length:</b> Year	<b>Prerequisite:</b> Spanish III/C or better	<b>Credit:</b> 1.00
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**American Sign Language I - 808**

This is a beginning course in which you learn first year skills for communicating with sign. Concepts such as letters, colors and numbers, basic communication sentences as well as other common first year language skills will be taught. The course will be delivered via video conferencing (live, interactive audio and video) and dual enrollment credit will be offered. Fee required for workbook.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00
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### American Sign Language II - 809

This is a continuation of ASL I. It is a further study and application of sign language. This course develops a deeper knowledge of ASL grammar and the Deaf culture. Students will demonstrate an understanding of their own cultures as compared to that studied and recognize distinctive viewpoints from both cultures. Students will provide cultural instruction and/or entertainment within and outside the school system. NOTE: Students may have an opportunity to attend an event for observation of sign language in use outside school hours and report back to the class in both written and/or signed forms. An alternative assignment will be given to student(s) not attending the event.

**Grade:** 10,11,12

**Length:** Year

**Prerequisite:** ASL I/C or better

**Credit:** 1.00

### American Sign Language III - 810

This course will be taught by a Philo HS teacher, not distance learning class. This is a continuation of ASL II. This course develops a deeper knowledge of ASL grammar and Deaf culture. Students will demonstrate an understanding of their own cultures as compared to that studied and recognize distinctive viewpoints from both cultures. Students will provide cultural instruction and/or entertainment within and outside the school system. Students will serve as Teaching Assistants for ASL II and/or tutoring/teaching of ASL I/II, and elementary students, providing supervised teaching and expansion of ASL knowledge. NOTE: ASL III students will be expected to attend at least one approved scheduled event for observation of sign language in use outside school hours during the year. This class requires student planning and implementation of projects to demonstrate mastery of Ohio's Modern Language Standards.

**Grade:** 11,12

**Length:** Year

**Prerequisite:** ASL II/C or better

**Credit:** 1.00

### SPAN 1110 Elementary Spanish I (Ohio University Zanesville) – 811

Developing proficiency in listening, reading, speaking, and writing essential to interactive language use. First course in beginning Spanish sequence.

**Grade:** CCP


**Length:** Semester

**Prerequisite:** Accuplacer

**Credit:** 4 Hours

## Technology

Length	Course No.	Title	Year	Credit
Year	900	STEM 1: Production Tech	9,10	1.00
Semester	901	STEM 2: Transportation Tech	9,10,11,12	0.5
Semester	902	STEM 3: Engineering Tech	10,11,12	0.5
Semester	903/903.5	STEM 4: Modular Tech	9,10,11,12	0.5
Semester	904	Woodworking Technology	9,10,11,12	0.5
Semester	905	Advanced Woodworking Technology	9,10,11,12	0.5
Semester	906	Creative Woodworking Technology	10,11,12	0.5
Semester	907	Communication Technology	9,10,11,12	0.5
Semester	908	Drafting	9,10,11,12	0.5
Semester	909	Advanced Drafting	9,10,11,12	0.5
Semester	910	Architectural Drawing	9,10,11,12	0.5
Semester	911	Commercial Driver's License (CDL)	12	0.5

<b>Technology Seal (State of Ohio Seal)</b>	
<ul style="list-style-type: none"> <li>● Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate exam.</li> <li>● Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program</li> <li>● Complete a course offered through the district or school that meets guidelines developed by the Department.</li> </ul>	

<b>STEM 1 Production Tech - 900</b>			
<p>This exploratory course deals with manufacturing technology. Students will design and make products using Computer Numerical Controlled Machines and Woodworking Technologies. Students will be taught how to use hand and power tools for woodworking, Robotics, as well as learning employability skills and industrial safety procedures. <b>Safety glasses are required. This class is a prerequisite for Woodworking Technology.</b></p>			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00

### STEM 2 Transportation Tech - 901

This exploratory course deals with TRANSPORTATION SYSTEMS, INFRASTRUCTURE, GENERATING POWER AND ALTERNATIVE ENERGY. Students will experience problem solving, design and experimentation using projects and computer simulations.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.5
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### STEM 3 Engineering Tech - 902

This course is for students who want to continue their Technology studies on an Engineering level, with Robotics. **VEX Robotics and Computer Programming is the primary focus for this course.** Students will design and construct a VEX competition robot and compete after school hours.

<b>Grade:</b> 10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Teacher Permission	<b>Credit:</b> 0.5
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### STEM 4 Modular Tech - 903/903.5

This is an independent study class, in which students are expected to exercise personal initiative in studying their chosen modules. The student will experience technical problem solving, design and experimentation in 2 modules. Technology modules available are: Mechatronics, Agricultural Technology, Biomedical Technology, Manufacturing, Telecommunications, Energy in Buildings, Alternative Energy, Pneumatics, Hydraulics, Basic Electricity, Electronics, Employability, Robotics & Automation, Mobile Robotics and Mechanisms.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.5
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### Woodworking Technology - 904

This course is open to those students who still have a desire to learn more about woodworking. Woodworking II focuses on the planning and constructing of major projects involving furniture and cabinet making. A pair of state approved safety glasses are required to be worn at all times in all shop classes. This is a state law and will be strictly enforced (Senate Bill 237).

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Production Tech/B or better	<b>Credit:</b> 0.5
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### Advanced Woodworking Technology - 905

This advanced course is designed to give the student who has demonstrated the skill and interest in woodworking the chance to expand his/her knowledge to that of an experienced woodworker. Open to sophomores, juniors and seniors only. **Safety glasses required.**

<b>Grade:</b> 10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> Woodworking Tech	<b>Credit:</b> 0.5
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### Communication Technology - 907

This exploratory course deals with communication technology. Students will do digital photography projects, in which they will have to insert their face or body into digital images. They will produce a final PowerPoint showcasing their digital images. There will be two digital video projects done using Sony Vegas, a picture show music video and a green screen video project.

<b>Grade:</b> 9,10,11,12	<b>Length:</b> Semester	<b>Prerequisite:</b> None	<b>Credit:</b> 0.5
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### **Drafting - 908**

This hands-on course deals with computer aided drafting and design, using Autodesk Inventor 3D CAD. It is a mechanical engineering class, designed for students interested in engineering. Students will use a 3D extrusion printer and computer numerical controlled router (CNC) Router to manufacture 3D objects.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### **Advanced Drafting - 909**

This course is an expansion of the original Drafting course for the students who want to continue their studies on an Engineering level. Because of the independent nature of the course students must have taken and passed Drafting- 304 and have instructor permission to take this course.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** Drafting

**Credit:** 0.5

### **Architectural Drawing - 910**

This hands-on course deals with Architecture and Construction. It teaches students to understand different types of drawings needed to construct a home. Students will use a 3D Computer Aided Drafting (CAD) home building software to design a home.

**Grade:** 9,10,11,12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### **Commercial Driver's License (CDL) - 911**

Before graduating high school, seniors will receive classroom training on earning their Commercial Driver's License. Students will develop a working knowledge of commercial vehicle operations, air brake systems, safety practices, and federal rules and regulations. Students will work with a state licensed driving professional to obtain a commercial driver's license. At age 18, seniors will experience extensive practice range, on-road, and highway driving.

**Grade:** 12

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

## Agriculture

Length	Course No.	Title	Year	Credit
Semester	1000	Agriculture, Food & Natural Resources (AFNR)	9	0.5
Semester	1001	Science & Technology of Food (STF)	9	0.5
Semester	1002	Animal & Plant Science (APS)	10	0.5
Semester	1003	Animal & Plant Biotechnology (APB)	10	0.5
Year	1004	Business Management for Agricultural and Environmental Systems	10,11	1
Year	1005	Vo-AG Capstone	11,12	1

**\*\* Pass the following classes with a “C” Average and students will receive the following science credits:**

- Agriculture, Food & Natural Resources (AFNR) = ¼ Credit
- Science & Technology of Food (STF) = ¼ Credit
- Animal & Plant Science (APS) = ¼ Credit
- Animal & Plant Biotechnology (APB) = ¼ Credit
- Business Management for Agricultural and Environmental Systems = ½ Credit

### **Agricultural, Food, and Natural Resources (AFNR) - 1000**

This first course in the career field is an introduction to Agricultural and Environmental systems. Students will be introduced to the scope of the Agricultural and Environmental systems career field. They will examine principles of food science, natural resource management, animal science and management, plant and horticultural science, power technology and bioscience. Students will examine the FFA organizations and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agricultural industry. (010105)

**Grade:** 9

**Length:** Semester

**Prerequisite:** None

**Credit:** 0.5

### **Science & Technology of Food (STF) - 1001**

This first course in the pathway examines the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine principles of food preservation techniques and determine correlations to food sensory, shelf life and food stability. Learners will examine and develop food safety, sanitation, and quality assurance protocol. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. (011010)

**Grade:** 9

**Length:** Semester

**Prerequisite:** AFNR

**Credit:** 0.5

### **Animal & Plant Science (APS) - 1002**

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

**Grade:** 10

**Length:** Semester

**Prerequisite:** AFNR & STF

**Credit:** 0.5

### **Animal & Plant Biotechnology (APB) - 1003**

Learners will apply principles of chemistry, microbiology and genetics to plant and animal research and product development. They will describe the importance of biotechnology in society and analyze the issues that have affected agricultural biotechnology. Students will apply genetic principles to determine genotypes and phenotypes. Students will describe the parts and functions of animal and plant cells and their importance in biochemistry. (012010)

**Grade:** 10

**Length:** Semester

**Prerequisite:** APS

**Credit:** 0.5

### **Business Management for Agricultural and Environmental Systems - 1004**

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. (010115)

**Grade:** 10,11

**Length:** Year

**Prerequisite:** Enrolled or Completed

**Credit:** 1.00

		APS & APB	
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<b>Vo-Ag Capstone - 1005</b>			
Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the instructor and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.			
<b>Grade:</b> 12	<b>Length:</b> Year	<b>Prerequisite:</b> 2 years of Vo-Ag/ Teacher Permission	<b>Credit:</b> 1.00

**\*\* Pass the following classes with a “C” Average and students will receive the following science credits:**

- Agriculture, Food & Natural Resources (AFNR) = ¼ Credit
- Science & Technology of Food (STF) = ¼ Credit
- Animal & Plant Science (APS) = ¼ Credit
- Animal & Plant Biotechnology (APB) = ¼ Credit
- Business Management for Agricultural and Environmental Systems = ½ Credit



## Education

Length	Course No.	Title	Year	Credit
Semester	1200 (MU)	EDUC 110 Introduction to Education	CCP	1 hour
Semester	1201 (MU)	EDUC 112 Educational Implications of Diversity	CCP	3 hours
Semester	1202 (MU)	EDUC 215 Educational Psychology	CCP	3 hours
Semester	1203 (MU)	EDUC 335 Educational Technology	CCP	3 hours

### EDUC 110 Introduction to Education (Muskingum University) - 1200

This course studies the purposes and practices of education, helping students determine whether they wish to become professional teachers. Topics include history of education, careers in education, motivation and discipline, analysis of teacher behavior, organization and goals of schools, the teacher, and the law.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> Accuplacer	<b>Credit:</b> 1 hour
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### EDUC 112 Educational Implications of Diversity (Muskingum University) - 1201

Presents a picture of the increasing diversity found within educational institutions and the implications it has for educators in developing both policy and practice.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> EDUC 110	<b>Credit:</b> 3 hours
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### EDUC 215 Educational Psychology (Muskingum University) - 1202

This course is the study of how individuals learn by drawing on and combining various psychological theories and principles to improve teaching and learning. This course will examine the scientific study of human learning from both the cognitive and behavioral perspectives. It promotes the understanding of individual differences, intelligence, development, affect, motivation, self-regulation and self-concept. Educational psychology helps future teachers create a positive socio-emotional climate for effective learning.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> EDUC 110	<b>Credit:</b> 3 hours
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### EDUC 335 Educational Technology (Muskingum University) - 1203

Develops knowledge and skills to integrate technology effectively into the classroom to support teachers in instruction, delivery, assessment, intervention and adaptation. This course is based on the National Education Technology Standards and the Ohio Technology Academic Content Standards.

<b>Grade:</b> CCP	<b>Length:</b> Semester	<b>Prerequisite:</b> EDUC 110	<b>Credit:</b> 3 hours
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## SPECIAL EDUCATION CLASSES

**Modified Algebra; Modified Geometry; Modified Algebra 2; Modified Transitions; Modified English 9; Modified English 10; Modified English 11; Modified English 12; Modified Physical Science; Modified Biology; Modified Science III; Modified World History; Modified American History; Modified Government:** These courses are based on the extended common core standards for each subject area. Students will participate in a modified and/or general education classroom setting based on individual student needs.

**Life Skills I, II, III, IV** – This course is designed to encourage social, academic and physical maturity. Topics covered will include social games, personal habits, home making, job related skills and making the transition from school to work/post-secondary. ½ credit, 1 semester.

**Modified Health** – This course is designed to help students deal with subjects related to personal health and well-being. ½ credit, 1 semester.

**Employability** – This program is designed to give the student the essential skills needed on the job. Special attention will be given to following directions, being self-motivated, getting and keeping a job. The course work will also include mathematics, proper use of tools, job safety, as well as everyday living skills from banking and consumerism to insurance and the law. 1 credit

**PAES Lab** - The course is designed to focus on gaining both soft skills and employability skills in the area of business/marketing, computer/technology, consumer/service, processing/production and construction/industrial. The course is designed to be a hands-on experience. Students are provided an environment that includes autonomy to complete their assigned job with a supervisor to check all jobs. This is a specialized curriculum designed for students with disabilities. ½ credit, 1 semester.

**SD Intervention** - This course is designed to provide specially designed instruction through the use of corrective feedback, direct instruction, modeling and scaffolding of material. Students will focus on their individual education goals that will be progress monitored throughout the course. Each student will be expected to complete a daily work log. Students will be placed in this course based on an Intervention Specialist recommendation. ½ credit. 1 semester.

**Work Study** – The work-study program is designed to give students experience on the job. Topics covered will include personal hygiene, working with peers, time keeping, taking instructions, self-motivation, budgeting and teamwork. Credit assigned by supervisor.

**Senior Seminar** – Students hold a full-time job in the community and attend class once per week with the assigned instructor. Credits assigned by instructor.

**Transition to Post School Readiness** – Specialized curriculum designed for students with disabilities 14 years of age and older that provides training for the development of skills that supports the students transition to post school environments, including employment, postsecondary education, independent living or community participation. ½ credit, 1 semester

## ONLINE COURSES - VIRTUAL CLASSROOM

<b>Business</b>	<b>Fine Arts (Cont.)</b>
1300 - Marketing Basics ( ½ credit)	1322 - History of Rock & Roll ( ½ credit)
<b>Career Training</b>	1323 - Introduction to Theatre ( ½ credit)
1301 - Agriculture ( ¼ credit)	1324 - Music Appreciation ( ½ credit)
1302 - Business Administration ( ¼ credit)	1325 - Renaissance Art ( ½ credit)
1303 - Career Planning ( ½ credit)	<b>Mathematics</b>
1304 - Career Exploration ( ½ credit)	1329 - Advanced Math ( 1 credit)
1305 - Career Readiness ( ½ credit)	<b>Science</b>
1306 - Intro to Oil & Gas ( ¼ credit)	1334 - Forensic Science ( ½ credit)
1307 - Oilfield Basics ( 1 credit)	1335 - Marine Biology ( ½ credit)
1308 - Public Safety ( ¼ credit)	1336 - Medical Terminology ( ½ credit)
1309 - Stem Careers ( ¼ credit)	<b>Social Studies</b>
1310 - Study Skills ( ½ credit)	1337 - Economics ( ½ credit)
<b>English Language Arts</b>	1338 - Financial Literacy ( ½ credit)
1311 - Greek Mythology ( ½ credit)	1339 - Personal Finance ( ½ credit)
1312 - Poetry ( ½ credit)	1340 - Geography ( ½ credit)
1313 - Roman Mythology ( ½ credit)	1341 - Psychology ( ½ credit)
1314 - Short Stories ( ½ credit)	1342 - Sociology ( ½ credit)
<b>Entertainment Technology</b>	1343 - Student Leadership (½ credit)
1315 - Games Through The Ages ( ½ credit)	<b>Technology</b>
<b>Family and Consumer Science</b>	1344 - Computer Applications ( ½ credit)
1318 - Child Development ( ½ credit)	1345 - Introduction To The Internet ( ½ credit)
1319 - Family Living ( ½ credit)	1346 - Digital Skills ( ½ credit)
<b>Fine Arts</b>	1347 - Digital Citizenship ( ½ credit)
1320 - Art History ( ½ credit)	<b>Test Preparation</b>
1321 - History of Jazz ( ½ credit)	1348 - ACT Preparation 13 <sup>th</sup> Edition ( 1 credit)

## Other - Offsite

Length	Course No.	Title	Year	Credit
Year	1400	Biblical Worldview	9,10,11,12	1.00

<b>Biblical Worldview - 1400</b>			
<p>This course teaches the basic tenants of the Christian faith, the metanarrative of the Bible and how to live out the Christian faith individually and in community. It is meant to deepen students' knowledge of the biblical worldview through critical thinking and collaborative strategies. It will also serve to strengthen students' ability to engage in further comparative worldview studies. The course is taught offsite and must have parental permission. Course credit will be given as a pass/fail grade.</p>			
<b>Grade:</b> 9,10,11,12	<b>Length:</b> Year	<b>Prerequisite:</b> None	<b>Credit:</b> 1.00 (Pass/Fail)