



West Muskingum High School

A Tradition of Excellence

Course of Study



2026-2027 Edition

WEST MUSKINGUM HIGH SCHOOL WELCOMES THE CLASS OF 2027

We have developed this course of study to provide students and parents with information to select an appropriate high school schedule. It may be necessary to supplement this by talking with teachers, counselors, or administrators. We offer a varied curriculum to meet state and local requirements for graduation, as well as to meet the differences in students' abilities, personalities and future career goals.

THERE MAY BE ACADEMIC OR ACHIEVEMENT PREREQUISITES FOR SOME CLASSES. It should also be noted that some courses may be closed or canceled because of scheduling constraints.

We want to work with both parents and students to select the curriculum program that best serves the needs of each student. If you have any questions concerning this guide or the scheduling process please call us at 740-452-6312.

Adam Foltz, High School Principal

Nathan Brownrigg, Dean of Students, Assistant Athletic Director

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West Muskingum Local Schools Mission

To inspire, educate, and prepare our students to achieve excellence and become productive citizens in a global society.



TORNADOES

Alma Mater

Poised upon a hill top proudly
Reaching toward the sky
Stands our noble Alma Mater
West Muskingum High.

Hail to thee dear Alma Mater
Schools so brave and true
May you always be a symbol
Of the gold and blue

Fight Song

Fight the team across the field
Show them that West is here.
Set the earth reverberating,
With a mighty cheer,
(Rah! Rah! Rah!)

Hit them hard and see how they fall
Never let that team get the ball,
Hail! Hail! The gang's all here,
For the victory of West M. High.

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Course Selection

Appropriate selection of courses should provide a challenging curriculum that fits the student's ability level. Students and their parents, with the advice and approval of the school staff, make course selections. Efforts will be made to minimize study halls and to emphasize courses that will assist the student with their post-secondary goals. As you will see throughout this course of study a number of options are provided.

ACADEMIC DIFFICULTY LEVEL OF COURSES

On the pages that list the course offerings, the level of difficulty for each course has been designated.

ADVANCED PLACEMENT: West Muskingum High School conducts an Advanced Placement Program with several course offerings. The Advanced Placement examinations are offered by the College Board, a non-profit membership organization that provides tests and other educational services for students, schools, and colleges. The membership is composed of more than 2,600 colleges, schools, school systems, and education associations.

Students who have completed college level work in the Advanced Placement class at West Muskingum High School are looking forward to the following benefits as a result of taking the examinations:

Exemption by their college or university from beginning courses and permission to take higher level courses in certain fields.

Academic credit for exams taken, which means fewer graduation requirements.

Tuition savings - up to a year of credit may be given for three or more qualifying AP grades.

Time to explore undergraduate subject areas that they wouldn't otherwise be able to study.
Eligibility for honors and other special programs open to students who have received AP recognition.
For further information on the AP program, see the AP Coordinator, your guidance counselor, or the current course description guide.

In recognition that the Advance Placement and College Credit Plus course requirements represent a much more rigorous curriculum than all other high school level coursework, grades in AP and CCP classes will be weighted on a 5 point scale, used in determining GPA and class rank as follows:

A= 5 quality points
B= 4 quality points
C= 3 quality points
D= 2 quality points
F= 0 quality points

The reasoning for this is to recognize and reward students for challenging themselves. It brings our high school more into line with other high schools that have well developed AP and CCP programs.

COLLEGE CREDIT PLUS COURSES: College courses offered to students who have qualified to participate in the CCP program. Students must meet with their counselor and meet program deadlines and requirements in order to participate.

HONORS CLASSES: Courses are designed for students who wish to be challenged. The requirements and course materials are more difficult than the college prep curriculum and students will proceed at a faster pace. Teacher recommendation and high academic standards are prerequisites.

COLLEGE PREPARATORY: Courses are designed primarily for those students going on to college. It is suggested that a student follow a college preparatory curriculum in all areas. Teacher recommendations and academic progress must be considered for placement.

GENERAL: Courses are open to all students. General classes do not qualify for NCAA requirements.

SPECIAL EDUCATION: Courses are open only to those determined eligible through a multi-factored educational evaluation and following the development of an individualized educational plan. Students must meet certain requirements through the Ohio Department of Education.

Grade Point Averages and Class Rank

HS Grade Point Averages (GPA's) will be calculated based on grades and credits earned by students at the conclusion of the semester.

Final GPA will be based on any HS courses taken at the Middle School along with the first 7 semesters of work at the High School.

College Credit Plus grades are included in the GPA calculation.

AP & CCP Classes are graded on a 5.0 scale, all other classes are on a 4.0 scale.

NCAA College Requirements

A student athlete who plans to attend a Division I college and participate in athletics at that school must complete a core curriculum of courses with a minimum GPA of 2.0 in order to be eligible for athletic participation. The required core courses include 4 college prep English, 3 math (Algebra I and higher), 2 science, 2 social studies, 1 additional English, math or science and 4 additional from any

above-mentioned area or foreign language, non-doctrinal religion or philosophy. Division II has similar but slightly different requirements. For specific information and eligibility requirements, go to www.ncaaclearinghouse.net. The NCAA Eligibility Center now requires registration online. Students still need to request transcripts from their school counselor.

Educational Options

The educational options available to students at West Muskingum High School are many and varied. All students are encouraged to take a curriculum that will prepare them for a four-year college/university, a two-year/technical college, or the workforce. Recommended courses are provided for each of these alternatives in each Career Pathway Area. While a rich selection of courses is available, several special programs are also offered. For many students, their plan for high school may change from year to year, but it is best for all students to have a plan in place that they have discussed with their parents and counselor.

Digital Courses

Digital Learning will be utilized to increase access to high quality educational alternatives for students through online learning for the purpose of credit recovery, unit recovery, or remediation. Digital courses consist of standard-based instructional content specifically developed for online delivery, with assessment opportunities integrated throughout and scaffolding to support learning of students. It is not an option for core courses, (ex: English, Math, Science or Social Studies) except as approved by the administration.

College Credit Plus Program

The State of Ohio allows seventh through twelfth grade students to enroll full or part time in college courses for high school and college credit. WMHS students may attend any college offering College Credit Plus coursework for which they qualify. All standards for admission are set by the college.

In order to participate in CCP, students must attend CCP counseling, turn in an intent to participate by April 1, pass the college entrance exam, and apply to the college by the college's deadline.



West Muskingum High School Credit Requirements

English	4 credits
Mathematics	4 credits
Science	3 credits
Social Studies	3 credits
*Fine Art	1 credit
Health	½ credit
**Physical Education	½ credit
Financial Literacy	½ credit (class of 2026 and beyond)
Other Electives	5 credits (4 ½ credits - class of 2026 and beyond)

Credits to Graduate 21

*Students who complete a career technical program are exempt from the Fine Art requirement. See your counselor to see if this applies to you.

***A student who, during high school, has participated in interscholastic athletics, marching band, cheerleading, or Twisters for at least two full seasons is eligible to opt out of taking Physical Education. However, the student is required to complete 21 credits to graduate. The .5 credit that the student would have earned from Physical Education needs to be made up with another elective.*

Ohio's High School Graduation Requirements Classes of 2023 and Beyond

It's Your **Future.** Get **Ready.**

Before you know it, you'll be receiving your high school diploma. Ohio is giving you new ways to show the world what you can do with it.

As a student entering ninth grade on or after **July 1, 2019**, Ohio's new high school graduation requirements give you more flexibility to choose a graduation pathway that builds on your strengths and passions – one that ensures you are ready for your next steps and excited about the future.

First, cover the basics

You must earn a minimum total of 20 credits in specified subjects and take your required tests. Then, decide how you will round out your diploma requirements.

English language arts	4 credits
Health	½ credit
Mathematics	4 credits
Physical education	½ credit
Science	3 credits
Social studies	3 credits
Electives	5 credits

Other Requirements

You also must receive instruction in economics and financial literacy and complete at least two semesters of fine arts. Your district may require more than 20 credits to graduate.

Second, show competency

Earn a passing score on Ohio's high school Algebra I and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once.

Is testing not your strength? After you have taken your tests, there are three additional ways to show competency!

Option 1.

Demonstrate Two Career-Focused Activities*:

Foundational

Proficient scores on WebXams
A 12-point industry credential
A pre-apprenticeship or acceptance into an approved apprenticeship program

Supporting

Work-based learning
Earn the required score on WorkKeys Earn the OhioMeansJobs Readiness Seal

*At least one of the two must be a Foundational skill

Option 2.

Enlist in the Military

Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.

Option 3.

Complete College Coursework

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

Third, show readiness

Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that align to your passions, interests and planned next steps after high school.

At least one of the two must be Ohio-designed:

- ☐ OhioMeansJobs Readiness Seal (Ohio)
- ☐ Industry-Recognized Credential Seal (Ohio)
- ☐ College-Ready Seal (Ohio)
- ☐ Military Enlistment Seal (Ohio)
- ☐ Citizenship Seal (Ohio)
- ☐ Science Seal (Ohio)
- ☐ Honors Diploma Seal (Ohio)
- ☐ Seal of Biliteracy (Ohio)
- ☐ Technology Seal (Ohio)
- ☐ Community Service Seal (Local)
- ☐ Fine and Performing Arts Seal (Local)
- ☐ Student Engagement Seal (Local)

Want to learn more? Contact your school counselor or visit education.ohio.gov/graduation



CAREER PATHWAYS

The State of Ohio has identified six broad Career Cluster Pathways we hope you will use in planning for your future. A Career Cluster is a grouping of occupations that share common skill requirements. Career Cluster Pathways provide a means of organizing academic, technical, and vocational programs, and integrating education by identifying related course work. Students can learn career skills while taking high school courses linked to four-year, two-year, and technical post high school programs. To find out which career pathway fits you, take a career interest inventory at OhioMeansJobs.com.

Arts and Communications

This cluster includes career options within the performing, visual, written, and media arts. This cluster includes but is not limited to the following industries: theater, film, mass media, journalism, literature, fine arts, TV/radio broadcasting, advertising, public relations, graphic design, printing/publishing, telecommunications, technical writing, commercial art, dramatic productions (in front of and behind the scenes), entertainment, teaching, restoring and appraising art, and creating original works of art. Many of the skills learned in this area can be transferred to areas in business, public service, and human resources. Because communication is a skill needed for success in working with people, this pathway is often considered a foundation skill for other areas.

Arts and Communications Suggested Electives

[Mythology](#)

[Yearbook](#)

[Spanish I-IV](#)

[AP Psychology](#)

[AP Human Geography](#)

[Sociology](#)

[Digital Media](#)

[Higher level Math Elective](#)

[AP Anatomy and Physiology](#)

[CP Physics](#)

[Art](#)

[Drawing](#)

[Painting](#)

[Graphic Design](#)

[Film Appreciation](#)

[Interior Design](#)

[Performing Ensembles](#)

Business and Management

This cluster encompasses the following areas: banking and finance, accounting, administration and management, marketing, administrative support, computer information systems, information technology, travel and tourism, retail management, culinary and food service management, distribution and warehousing, and data processing. Workers in this group use mathematical and analytical skills to design financial systems and interpret records. Others set policies and priorities as well as participate in marketing and sales activities. Professional occupations in this area, which require high educational attainment and offer high earnings, are expected to grow rapidly.

Business and Management Suggested Electives

[Digital/Multimedia](#)

[Business Management](#)

[Marketing](#)

[Personal Finance](#)

[Legal Environment](#)

[International Business](#)

[Accounting I](#)

[Accounting II](#)

[Art and /or Music](#)

[Technology Education](#)

[Foreign Language](#)

[Anatomy and Physiology](#)

[Chemistry or Physics](#)

[Advanced Math \(above Algebra II\)](#)

Environmental and Agricultural Sciences

This cluster includes careers related to service, research, education, and production. Numerous career opportunities exist in agricultural sales and services, animal and crop production, education, engineering and mechanical systems, food processing, horticulture, and natural resources. Environmental and Agricultural Sciences careers include jobs such as veterinarian, veterinarian's assistant, breeder, pet shop sales, diesel and agricultural mechanic, floriculturist, landscaper, safety risk management, environmental protection services, hazardous waste technician, game warden, wildlife manager, surveyor, park maintenance, and wastewater treatment operator.

Environmental and Agricultural Sciences Suggested Electives

[Spanish I-IV](#)

[Art](#)

[Music](#)

[Agricultural, Food and Natural Resources](#)

[Animal and Plant Science](#)

[Environmental Science](#)

[Mechanical Principles](#)

[Livestock, Selection and Nutrition](#)

[Living with Technology](#)

[Biology and/or AP Biology](#)

[Anatomy and Physiology](#)

[Chemistry](#)

[AP Calculus](#)

Health Services

This cluster includes service, research, education, and manufacturing areas of the health industry. Many career opportunities exist within medicine, dentistry, nursing, radiology, optometry, nutrition, biotechnology, physical therapy, occupational therapy, rehabilitation, and prevention and wellness. The Health Services pathway prepares students for a variety of options for jobs in the healthcare profession. The healthcare field offers opportunities as aides, technicians, nurses, therapists, and doctors. Many of the careers in the healthcare field are among the fastest growing occupations available. All of these jobs require at least a high school diploma and some technical training; many require a two- year college degree and some require four-year degrees and beyond.

Health Services Suggested Electives

[Chemistry](#)

[Biology and/or AP Biology](#)

[CP Anatomy and Physiology](#)

[Medical Terminology](#)

[Psychology](#)

[Sociology](#)

[Art](#)

[Music](#)

[Digital Media](#)

[Spanish I-IV](#)

[Living with Technology](#)

[Physics](#)

[Calculus](#)

[Math elective \(above Algebra II\)](#)

Industrial and Engineering Services

This cluster is divided into three sub clusters: manufacturing, construction, and transportation. The manufacturing sub cluster involves all aspects of the manufacturing industry from product design, to production and delivery. The construction sub cluster includes all of the building trades as well as engineering, architecture, and surveying. The transportation sub cluster includes all aspects of the industry: automotive, airline, maritime, rail, and trucking. Industrial and Engineering Services careers include a variety of jobs in the automotive, industrial, construction, and manufacturing industries. Jobs in this area require either specific post-secondary training or two- or four-year college degrees. After receiving this additional training and/or education, many of these workers make higher than average earnings. Workers in this group collect, record, and coordinate technical information and solve problems related to production. Others operate and maintain equipment or inspect and/or test materials and products to be sure they meet quality standards.

Industrial and Engineering Suggested Electives

[Physics](#)

[Pre-Calculus](#)

[AP Calculus](#)

[Digital/Multimedia](#)

[Art and/or Music](#)

[Foreign language](#)

[AP Biology](#)

[Technology Education](#)

Public Service/Human Resources

This cluster includes career options within a variety of industries related to economic, political, and social systems. These industries encompass personal, protective, legal, educational, and children's and family services. Public Service and Human Resources careers include a variety of jobs in law and legal services, community support areas, fire and city services, education, and personal services such as cosmetology and home health aides. Educational services are projected to be some of the fastest growing occupations.

Public Service and Human Resources Career Suggested Electives

[Foreign language](#)

[Art and/or Music](#)

[Technology Education](#)

[AP Biology](#)

[Sociology](#)

[AP Human Geography](#)

[Physics](#)

[CP Anatomy and Physiology](#)

[AP Calculus](#)

[AP Psychology](#)

How to Use This Manual

This Program of Study is a tool to help you understand graduation requirements and plan your high school career. Your counselor will help you to select courses that are appropriate for you.

Course Recommendations

The following courses are recommended as the core curriculum for all West Muskingum students. Your counselors will meet with you to advise you on appropriate courses to take.

Recommended Coursework for Students

Grade 9

English 9, CP English 9 or Honors English 9

CP Algebra I, CP Algebra II, or Honors Algebra II (Teacher Rec.)

Physical Science or Honors Biology

World History

Foreign Language

Physical Education

Electives

Recommended Coursework for Students Continued

Grade 10

English 10, CP English 10 or AP Lang. & Comp.
CP Algebra II, Honors Algebra II
Biology, Honors Biology, Chemistry, Honors Chemistry
US History, AP US History
Foreign Language
Physical Education
Fine Art
Electives

Grade 11

CP English 11, AP Lit. & Comp., or AP Lang. & Comp.
CP Geometry or Honors Geometry, or Advanced Level Math
Chemistry, Honors Chemistry, CP Physics, CP Anatomy & Physiology, or another Advanced Science course
Foreign Language
US Government or AP US Government and Politics
Financial Literacy
Additional AP courses
Fine Art
Electives

Grade 12

CP English 12, AP Lang. and Comp., AP Lit. & Comp., Tech. Writing, or Eng. Comp. w/Research
College Algebra or Advanced Level Math
Advanced Science course
Foreign Language
Additional AP courses
Electives

MID EAST CAREER AND TECHNOLOGY CENTER

During the scheduling process all students will be informed of vocational program opportunities at MidEast Career Center. Students will also have an opportunity to visit the MidEast Campuses during their sophomore year to learn more about programs. MidEast expects students to be on track for graduation. It is important for students to have earned credits in Algebra I, Health, and Physical Education before attending the career center.

High School Academic Diploma with Honors for Graduating Classes of 2012 and Beyond <i>Students need to fulfill only 7 of the following 8 criteria</i>	
Subject	Criteria
English`	4 Units
Math	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content or higher content
Science	4 units, including two units of advanced science
Social Studies	4 units
Foreign Language	3 units of one language or 2 units each of two different languages
Fine Arts	1 unit
Grade Point Average	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]	27 ACT / 1280 SAT

New Honors Diploma Requirements

High school students can gain state recognition for exceeding Ohio's graduation requirements through an Academic Honors Diploma. High-level coursework, college and career readiness tests and real-world experiences challenge students.

Students must meet all but one of the following criteria. Each of these criteria go beyond the [standard requirements for a diploma for the classes of 2023 and beyond](#). Students must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas. Students may replace one requirement of either 4, 5 or 6 with a "Student Strength Demonstration." The [previous requirements](#) to earn an honors diploma are also available for students in the classes of 2023-2025.

ACADEMIC HONORS DIPLOMA

Requirements	State Minimum
Math	Fourth math must be > Algebra 2
Science	One additional unit Advanced Science
Social Studies	One additional unit Social Studies
World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal

Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning
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*Students can use OMJ Readiness Seal in 2 additional seal requirements if it is not used in Experiential Learning.

Student Strength Demonstration Replacement

Students can use the Student Strength Demonstration to replace one of either the ACT/SAT, GPA or World Language requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each of the six honors diplomas* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Academic Honors Diploma and using the College Credit Plus option to replace another requirement for the diploma should have College Credit Plus courses relevant to the Academic Honors diploma.

OPTIONS:

[College Credit Plus](#): 12 total College Credit Plus credit hours

[Advanced Placement](#): three courses with score of 3 or higher on AP tests

[Career-Technical Assurance Guide \(CTAG\)](#): 12 total credits

[Apprenticeship/Pre-Apprenticeship](#): Completion or Evidence of Acceptance if required to be older than 18

[WorkKeys](#): Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)

[Armed Services Vocational Battery](#): Score of 50 or above on the ASVAB

[Work-Based Learning](#): 250 total hours of work-based learning

Additional Information

To be eligible, students must complete units, or credits, in specific subjects (see above chart). They can use Advanced Placement, International Baccalaureate, [College Credit Plus](#) and [Credit Flexibility](#) coursework to meet the coursework requirements of an honors diploma. A single course can meet multiple criteria if it fits under multiple subject areas.

Students also can design their own independent study courses. This requires that someone with proper licensure in the subject area must teach or co-teach the courses used for an honors diploma.

MATH:

Students must take algebra 1, geometry, algebra 2 (or equivalent), and one other higher level course OR a four-course sequence that contains equivalent or higher content.

SCIENCE:

Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science.

Appropriate advanced science courses include:

- Chemistry, physics or other physical sciences;

- Advanced biology or other life sciences;

- Astronomy;

- Physical geology or other Earth or space science; and

- Advanced Placement (AP) or International Baccalaureate (IB) Earth, life or physical science courses.

SOCIAL STUDIES:

Students may get credit for both an American history course and/or the Advanced Placement, International Baccalaureate or a College Credit Plus American history course. This also applies for modern world history courses and American government courses.

WORLD LANGUAGE:

Only credits from courses that are sequential, and proficiency based (e.g., Spanish levels I, II, III or German I and II and French I and II) fulfill the honors diploma requirement. Sequential classical (e.g., Latin, Ancient Greek) and visual (e.g., American Sign Language) languages DO

fulfill the honors diploma requirement. No units from language courses coded as “Foreign Language Exploratory” can count toward the honors diploma requirement. No units from culture-based courses can count toward the honors diploma requirements. College Credit Plus courses must continue - not repeat - the learning sequence already completed. High school levels I and II need to be followed by a second level College Credit Plus course minimally to continue the proficiency growth sequence.

If a student opts to complete this criterion by taking two units each of two world languages studied, a student must complete a total of four world language units. This means two sequential, proficiency-based units in two different languages.

GPA:

GPA's must be calculated on an unweighted 4.0 scale.

ACT AND SAT SCORE REQUIREMENTS:

Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the requirement scores.

SEALS:

Students must earn two additional [diploma seals](#) beyond the required two for graduation. The Honors Diploma Seal cannot be used towards the additional two diploma seals. In total, students are required to earn four diploma seals, not including an Honors Diploma Seal.

EXPERIENTIAL LEARNING OPTIONS:

Students can earn the experiential learning option by meeting one of the following options: field experience, portfolio, OhioMeansJobs Readiness Seal and work-based learning.

FIELD EXPERIENCE:

To fulfill the field experience criterion, a student must complete a learning experience that is pertinent to his or her honors diploma area of focus. Experiential learning is focused on the application of academic and technical skills within a student’s program of study. Experiential learning includes lab-based activities, co-ops, simulated workplace, mentorships, internships, pre-apprenticeships and apprenticeships. Lab-based experiential learning should simulate real-work worksites and expectations. Students should receive regular supervision and follow-up that is documented. [Click here for more detailed guidance on field experience](#) .

PORTFOLIO:

Work that is contained in a portfolio documents the student's extensive knowledge and technical, critical-thinking and creative skills (representative of the student's honors diploma area of focus) that the student has learned. Students must get their portfolios reviewed and validated by external experts. [Click here for more detailed guidance on the portfolio criterion](#) .

OHIOMEANSJOBS READINESS SEAL:

To earn the [OhioMeansJobs-Readiness Seal](#), motivated high school students must demonstrate specific professional skills required for success in the workplace. Students must work with at least three experienced and trusted mentors who validate the demonstration of these skills in school, work or the community. If a student earns the OhioMeansJobs Readiness Seal as a part of their experiential learning requirement, it can not count as one of their additional seals earned.

WORK-BASED LEARNING:

[Work-based learning](#) experiences are conducted at a work site during or after school. They are designed to provide authentic learning experiences to students that link academic, technical and professional skills. Business and education partners work together to evaluate and supervise the experience, which must be documented with learning agreements.

**Career-Technical Diploma with Honors for
Graduating Classes of 2012 and Beyond**

Students need to fulfill only 7 of the following 8 criteria

Subject	Criteria
Math	4 Units, including Algebra I, Geometry, Algebra II or the Equivalent, and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units including two units of advanced science
Social Studies	4 units
Foreign Language	2 Units of one world language
Electives	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post- secondary credit.
Grade Point Average	3.5 on a 4.0 scale
ACT/SAT/WorkKeys	27 ACT / 1280 SAT / WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.
Additional Assessment	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent

COURSE OFFERINGS 2026-2027

Course No.	Name	Grades	Credit
ENGLISH COURSES			
034	English 9	9	1
032	CP English 9	9	1
033	Honors English 9	9	1
044	English 10	10	1
042	CP English 10	10	1
050	English 11	11	1
052	CP English 11	11	1
063	AP Literature and Composition	11-12	1
060	English 12	12	1
062	CP English 12	12	1
053	AP Language and Composition	10-11-12	1
ENGL1510	CCP English Composition w/Research	9-10-11-12	1
ENGL2225	CCP Technical Writing	9-10-11-12	1
COMM1130	CCP Speech/Public Speaking	9-10-11-12	1
MATHEMATICS			
230	CP Algebra I	9	1
245	CP Algebra II	10	1
247	Honors Algebra II	10	1
265	CP Geometry	11-12	1
266	Honors Geometry	11-12	1
250	Business Math	12	1
249CC	CCP College Algebra	9-10-11-12	1
246CC	CCP Pre-Calculus	9-10-11-12	1
292	AP Calculus	11-12	1
291CC	CCP Calculus	9-10-11-12	1
252CC	CCP Statistics	9-10-11-12	1
SCIENCE			
321	Physical Science	9	1
336	Biology	10	1
326	Forensic Science	9-10-11-12	1
325	Environmental Biology	10-11-12	1
384	Environmental Science	10-11-12	1.25
360	CP Chemistry	10-11-12	1
342	CP Anatomy & Physiology	11-12	1

350	<i>Principles & Applications of Advanced Science</i>	10-11-12	1
380	<i>CP Physics</i>	11-12	1
378	<i>Zoology</i>	9-10-11-12	1

SOCIAL STUDIES

442	<i>World History</i>	9	1
441	<i>Honors World History</i>	9	1
443	<i>US History</i>	10	1
444	<i>AP US History</i>	10-11	1
452	<i>US Government</i>	11	1
453	<i>AP US Government & Politics</i>	11-12	1

PHYSICAL EDUCATION

920A	<i>Physical Education Fitness</i>	9-10-11-12	.25
920B	<i>Physical Education Fitness</i>	9-10-11-12	.25

ELECTIVES

812	<i>Advanced Art</i>	9- 10-11-12	1
802A/802B	<i>Advanced Drawing</i>	9-10-11-12	.5
801A/801B	<i>Advanced Painting</i>	9-10-11-12	.5
803A/803B	<i>Advanced Portfolio</i>	9-10-11-12	.5
390	<i>Ag. Business Management</i>	11-12	1.25
383	<i>Ag. Food & Natural Resources</i>	9-10-11-12	1.25
388	<i>Animal Anatomy</i>	10-11-12	1.25
391	<i>Animal & Plant Science</i>	10-11-12	1.25
387	<i>Animal Health</i>	10-11-12	1.25
455	<i>AP Human Geography</i>	10-11-12	1
445	<i>AP Psychology</i>	10-11-12	1
936A	<i>Athletic Weight Lifting</i>	Sem. 9-10-11-12	.5
936B	<i>Athletic Weight Lifting</i>	Sem. 9-10-11-12	.5
828	<i>Art Through Film</i>	9-10-11-12	.5
884	<i>Audition Vocal Ensemble</i>	9-10-11-12	.5 or 1
	<i>(audition class)</i>		
696	<i>Career and College Exploration</i>	11-12	.5
820	<i>Ceramics</i>	9-10-11-12	.5
689	<i>Child Development</i>	9-10-11-12	.5
827	<i>Color Mastery</i>	9-10-11-12	.5
864	<i>Concert Band</i>	9-10-11-12	.5 or 1
883	<i>Concert Choir</i>	9-10-11-12	.5 or 1
440	<i>Conspiracy Theories Throughout History</i>	9-10-11-12	.5

180	CP Spanish I		9-10-11-12	1
185	CP Spanish II		10-11-12	1
190	CP Spanish III		11-12	1
195	CP Spanish IV		11-12	1
070	Creative Writing		9-10-11-12	.5
441	Crime and Punishment		9-10-11-12	.5
683	Culinary Fundamentals		9-10-11-12	.5
M531	Current Events		9-10-11-12	.5
825	Digital Art & Design		9-10-11-12	.5
699	Fashion Design		9-10-11-12	.5
824	Film Appreciation		9-10-11-12	.5
693	Food Science		9-10-11-12	.5
811	Foundations of Art		9-10-11-12	.5
395	Global Economics		11-12	1.25
692	Global Foods		9-10-11-12	.5
439	Global Issues		9-10-11-12	.5
456	History Through Film		10-11-12	.5
819	Interior Design Fundamentals		9-10-11-12	.5
379	Introduction to Aviation		10-11-12	.5
814	Introduction to Painting		9-10-11-12	.5
457	Introduction to Debate		9-10-11-12	.5
817	Introduction to Drawing		9-10-11-12	.5
866	Jazz Band		9-10-11-12	.5 or 1
863	Marching Band	Eve. Sem.1	9-10-11-12 (after-school)	.5
392	Mechanical Principles		10-11-12	1.25
320	Medical Terminology		10-11-12	.5
868	Multi Media (A & B)		9-10-11-12	.5
098	Newspaper Writing		9-10-11-12	1
893	Music Theory		9-10-11-12	.5
892	Music Theatre Workshop		9-10-11-12	.5
093	Mythology		9-10-11-12	.5
946	Officiating		9-10-11-12	.5
438	Ohio History		9-10-11-12	.5
865	Pep Band	Eve. Sem. 2	9-10-11-12 (after-school)	.5
069	Read, Create, Express:Exploring Stories Through Art		9-10-11-12	.5
464	Sociology		10-11-12	1
945A	Strength & Conditioning	Sem.	10-11-12	.5
945B	Strength & Conditioning	Sem.	10-11-12	.5
684	Transitions and Careers		12	1

454	World Geography		10-11-12	.5
099	Yearbook	Year	9-10-11-12	1

COURSE DESCRIPTIONS

ENGLISH

English course offerings are designed to meet requirements established in the course of study. The required courses are designed in sequence, therefore it is to the students' advantage to decide which sequence fits their needs and career goals and follow it through all four years. This choice should also be reflected in the student's other curriculum as well. For example, a College Preparatory English student must also be committed to pursuing a college preparatory curriculum in all academic areas.

Each college prep student should:

1. Maintain a B or above average grades in English.
2. Demonstrate interest in college attendance as evidenced by enrollment in appropriate course work in other disciplines. College Prep English students should also be willing to complete appropriate college entrance tests such as the PSAT, SAT, and ACT.
3. Teacher recommendation(s) from previous grades

All required courses include the study of basic literary genres: short story, drama, novel, and poetry. Students will also be asked to master the reading skills necessary for success in today's world. An intensive review of correct English usage and the opportunity to practice this skill in writing assignments ranging from the keeping of journals to writing research papers, will be included. The choice of literary selections, writing assignments and the complexity and purpose of usage study varies from the General to College Prep classes. Students at all grade levels will be asked to demonstrate skills in public speaking, listening and visual literacy.

Suggested English Course Sequences

Tracks	9th Grade	10th Grade	11th Grade	12th Grade
Advanced	Honors English 9	AP Language and Comp	AP Literature and Comp	CCP 1510 College Composition
College Prep	College Prep 9	College Prep 10 or AP Lang & Comp with teacher recommendation	College Prep 11 or AP Lang & Comp or AP Lit & Comp with teacher recommendation	College Prep 12 or AP Lit and Comp with teacher recommendation

General	English 9	English 10 or College Prep 10 with teacher recommendation	English 11 or College Prep 11 with teacher recommendation	English 12 or College Prep 12 with teacher recommendation
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CP ENGLISH 9 (032) 1 CREDIT

The ninth grade college preparatory student can expect high-level challenges in developing close reading, writing, speaking, and listening skills. Students will be expected to complete projects, assignments, and research in class and independently outside of class. Literary selections will be drawn from quality literature of various genres, time periods, and cultures.

ENGLISH 9 (034) 1 CREDIT

The ninth grade student can expect challenges in further developing their reading, writing, speaking, and listening skills. Students will be expected to complete projects, assignments, and research in class. Literary selections will be drawn from quality literature of various genres, time periods, and cultures.

HONORS ENGLISH 9 (033) 1 CREDIT – At least a B in English (gifted) in Middle School or Teacher Recommendation

The ninth grade honors student can expect a demanding curriculum beyond what is offered in the College Preparatory English. Students will focus on close reading, writing, speaking, and listening skills. Literature will be a combination of contemporary and classic literature from the 17th - 21st century. Students will demonstrate an understanding of the literature as well as developing the literature's historical context and societal connections. Students will use the writing process to develop writing skills including organizational strategies, synthesizing information, and developing style and correctness. Writing assignments will include journals, essays, analysis, research, and narrative pieces. Students will be expected to develop oral communication and listening skills through a variety of individual and group activities which may include poetry, interpretive artistic pieces, speeches, and video productions.

CP ENGLISH 10 (042) 1 CREDIT

The tenth grade college preparatory student can expect to face high level challenges including reading and writing assignments to be completed outside of class. The four modes of reading, writing, speaking, and listening will be the focus of assignments. Writing assignments stemming from literature and other sources will be expected to reflect the students' increasing abilities to put ideas into words and demonstrate an understanding of the methods used by writers and poets. A research project will be required. The literature studied in the course will be drawn from all over the world and will include classics and contemporary literature.

ENGLISH 10 (044) 1 CREDIT

The tenth grade student can expect assignments to focus on the four modes of reading, writing, speaking, and listening. Writing assignments stemming from literature and other sources will be expected to reflect the students' increasing abilities to put ideas into words. A research project will be required. The literature studied in the course will be drawn from all over the world and will include classics and contemporary literature.

AP LANGUAGE AND COMPOSITION (053) 1 CREDIT

AP Language and Composition will approximate the challenge of college composition course work. Students will be expected to read predominantly non-fiction text, selected as examples and to give them the opportunity to examine the author's rhetorical choices. Students will write rhetorical analysis, argumentative, and synthesis essays based on the texts studied or from their own observations. The course will prepare students for the spring College Board AP exam that can result in college credit if the required score is earned. Students are eligible for this course after successfully completing Honors English 9 or with a teacher recommendation after successfully completing College Prep 9 or College Prep 10.

ENGLISH 11 (050) 1 CREDIT

The emphasis of English 11 is practical in nature and focuses on skills necessary to become a productive citizen after high school. English 11 will focus on the five components of reading, writing, speaking, listening and thinking. Students will use the writing process to develop writing skills including organizational strategies, synthesizing information, and developing style and correctness. Writing assignments may include essays, journals, research, and practical application. Students will be expected to develop oral communication and listening skills through various individual and group activities which may include drama, poetry, speeches, interviews, and films.

CP ENGLISH 11 (052) 1 CREDIT

The eleventh grade college preparatory student can expect to face high level challenges. **This course will require a significant commitment to reading away from the classroom.** The introduction of American literature presents the student with the opportunity to confront some of America's great minds. Students will read a variety of classic American novels in addition to the textbook and selected nonfiction. Writing assignments stemming from this literature and other sources will be expected to reflect the students' increasing ability to put ideas into words. A research project resulting in a term paper will be required.

AP LITERATURE AND COMPOSITION (063) 1 CREDIT

AP Literature and Composition will engage students in the careful reading and critical analysis of imaginative fiction approximating two semesters of college coursework. Students will undertake an extensive study of Western Literature concentrating on works of literary merit from Britain, America, Africa, Asia, and some non-English works in translation. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. **This course will require a significant commitment to reading away from the classroom.** Class time will focus on lecture, timed writing, and peer discussion. It is expected that students completing this course will prepare and sit for the College Board AP Exam in the Spring. Additional fees for testing and materials apply to this course. Students should have completed Honors or CP English 10, and/or be willing to accept a rigorous academic course of study.

ENGLISH 12 (060) 1 CREDIT

Like English 11, English 12 is practical in nature and focuses on the skills necessary to become a productive citizen after high school. English 12 will focus on the four components of reading, writing, speaking, and listening. Students will read a variety of literature and demonstrate an understanding of its structure, meaning, and application to their personal lives. Students will use the writing process to develop writing skills including organizational strategies, synthesizing information, and developing style and correctness. Writing assignments may include essays, journals, research, and practical applications. Students will be expected to develop oral communication and listening skills through various individual and group activities which may include drama, poetry, speeches, interviews, and films.

CP ENGLISH 12 (062) 1 CREDIT

The twelfth grade college preparatory student can expect to find high level challenges in reading, writing, speaking, and listening. Students will study various language structures to improve grammar and punctuation as well as to make the best stylistic choices in writing. In the first semester, students will study stories and novels from British and American literature, which will be the focus of literary analysis essays and brief oral presentations. Second semester students will study nonfiction essays and other sources, which will be the focus of synthesis and research essays as well as speeches.

MYTHOLOGY (093) – ½ CREDIT – GRADES 9-10-11-12 (ELECTIVE)-

An introduction to classical mythology, this course is a survey of stories about heroes, gods, and the universe. The course explores the influence of myths on art, literature, and culture in the modern world. A variety of cultural myths will be studied including Greek/Roman.

READ, CREATE, EXPRESS: EXPLORING STORIES THROUGH ART (069)— ½ CREDIT —GRADES 9-12 (ELECTIVE)

A combination of literacy and artistic expression, this course allows students to create visual art, drama, or digital media projects in response to self-selected literature. The purpose of the course is to engage in reading, interpret what is read, and explore new artistic mediums or build on current knowledge.

KEYBOARDING AND COMPUTER PRODUCTIVITY- (065) –Semester - ½ CREDIT – GRADES 9-10-11-12 (ELECTIVE)

Increase keyboarding/typing speed and accuracy, explore spreadsheet applications, learn to use presentation software, practice using college and career writing formats. This elective will help you gain usable keyboard/computer skills necessary in the workplace and for school.

ENGLISH COMPOSITION WITH RESEARCH (ENGL1510) 1 CREDIT- GRADES 9-12 (ELECTIVE)

The course will focus on developing skills in college-level writing, reading, communication, and critical thinking. Writing is a process, and your writing can be refined and improved with practice. In this course, you will write a minimum of **20 pages of formal revised essays**, as well as additional directed writing, including response, analysis and critique of various assigned texts. In addition, you will collaborate with peers to develop your ideas, create drafts and revisions of your essays, and extend your ability to craft persuasive arguments by presenting and documenting credible secondary material in support of your position. This course includes and evaluates the following Success Skills: Communicates Effectively; Maintains Professional Skills and Attitudes; Demonstrates Learning and Critical Thinking Skills; Practices Human Relations Skills; and Maintains a Code of Ethics.

- **This is a rigorous college writing course and previous honors and AP English courses are recommended.**
- **Failure of this course results in paying the tuition costs.**
- **Check with your instructor to see if you have developed the writing skills necessary to pass.**
- **Students who pass this course will receive credit for this course from Hocking College.**

TECHNICAL WRITING (ENGL2225) 1 CREDIT - GRADES 9-12 (ELECTIVE) Prerequisite-ENGL1510 or equivalent

This course involves organizing and presenting written data with an emphasis on clear, precise, objective thinking and writing as demonstrated through a series of written documents. Assignments will include audience analysis, purpose, and format appropriate for letters, memos, reports, and other documents used in technical areas. **Students who pass this course will receive credit for this course from Hocking College.**

CREATIVE WRITING (070) ½ CREDIT - GRADES 9-12 (ELECTIVE)

A creative writing course designed to develop students' imaginative and technical writing skills across various genres, including fiction, poetry, and creative nonfiction. Students engage in a process of drafting, peer review, and revision to refine their unique voice and style.

SPEECH/PUBLIC SPEAKING (COMM1130) ½ CREDIT - GRADES 9-12

Emphasizes communication process and extemporaneous speaking skills through informative, demonstrative and persuasive speeches. The student learns to analyze audiences, choose and narrow topics, develop content through library and other resources, use presentation aids, clearly organize speech material and effectively deliver finished speeches to a class audience. **Students who pass this course will receive credit for this course from Hocking College.**

MATH SUBJECTS

ALGEBRA I (229) GRADE 9 - 1 CREDIT

Algebra topics will include systems of equations, exponent properties and polynomial operations. Students will also explore linear, exponential, quadratic, and radical functions, their graphs, and solutions to their equations. This course is taken after 8th grade Math and covers topics at a slower pace than the CP course. This course is not designed as a pathway to college.

CP ALGEBRA I (230) GRADE 9 - 1 CREDIT

Algebra topics will include systems of equations, exponent properties and polynomial operations. Students will also explore linear, exponential, quadratic, and radical functions, their graphs, and solutions to their equations. This course is taken after 8th grade Math.

HONORS ALGEBRA I (232) GRADE 9 -1 CREDIT

All concepts covered in CP Algebra will be covered in this course. The pace will be accelerated and the content will include additional Algebraic concepts.

ALGEBRA II (243) GRADES 10 - 1 CREDIT - Prerequisite: Algebra I

Algebra II is required for all students. The course will include solving equations and inequalities, functions and graphing, polynomial arithmetic, factoring, radicals, complex numbers, and rational expressions, along with extensions of polynomial, quadratic, rational, radical, exponential and logarithmic functions. This course covers topics at a slower pace and is not designed as a pathway to college.

CP ALGEBRA II (245) GRADES 10 - 1 CREDIT - Prerequisite: Algebra I

Algebra II is required for all students. The course will include solving equations and inequalities, functions and graphing, polynomial arithmetic, factoring, radicals, complex numbers, and rational expressions, along with extensions of polynomial, quadratic, rational, radical, exponential and logarithmic functions.

HONORS ALGEBRA II (247) 9 & 10 - 1 CREDIT - Prerequisite: "A" or "B" in Honors Algebra I or Teacher recommendation

Concepts covered in CP Algebra II will be covered in this course. The pace will be accelerated and the coverage will require a deeper understanding of concepts. Additional Algebra topics will be introduced

and may include logarithmic functions, exponential functions, trigonometric functions, data analysis, and analytic geometry.

GEOMETRY (264) GRADE 11-12 - 1 CREDIT - Prerequisite: Algebra II or CP Algebra II or Honors Algebra II

This course is taken after Algebra II. Geometry studies and defines space by applying concepts of rigid motions, exploring congruence and similarity, introducing trigonometry, learning about circle relationships, and calculating area and volume. Students will also gain experience with coordinate geometry, modeling, proof and logical reasoning. This course covers topics at a slower pace than the CP course. This course is not designed as a pathway to college.

CP GEOMETRY (265) GRADE 11-12 - 1 CREDIT - Prerequisite: CP Algebra II or Honors Algebra II

This course is taken after Algebra II. Geometry studies and defines space by applying concepts of rigid motions, exploring congruence and similarity, introducing trigonometry, learning about circle relationships, and calculating area and volume. Students will also gain experience with coordinate geometry, modeling, proof and logical reasoning.

HONORS GEOMETRY (266) GRADE 11-12 - 1 CREDIT - Prerequisite: "A" or "B" in Honors Algebra II or Teacher recommendation

All concepts covered in CP Geometry will be covered in this course. The pace will be accelerated and the coverage will require a deeper understanding of concepts, proof, and logical reasoning. Additional Geometric topics may also be introduced including transformations, vectors, and matrices.

BUSINESS MATH (250) GRADE 12 1 CREDIT -Prerequisite: Geometry or Teacher Recommendation

Students develop the skills necessary to solve mathematical problems, analyze and interpret data, and apply sound decision-making skills in business. Content should be based on National Business Education Association (NBEA) content standards. Only grade 9-12 courses based on standards from the 9-12 grade band of NBEA Standards are eligible for high school credit.

CP COLLEGE ALGEBRA READINESS (251) GRADE 12 1 CREDIT - Prerequisite: Algebra II

This course is designed to help students acquire a solid foundation in algebra and trigonometry. Students will be shown how the study of linear algebra and functions can model and solve real-world problems using critical thinking skills.

CCP COLLEGE ALGEBRA (249CC) GRADES 9-12 - 1 CREDIT - Prerequisite: Geometry

This course is designed for junior and senior students to prepare them for Pre-Calculus second semester. This course will include the study of polynomials, exponential functions, logarithmic functions, and linear algebra. **Students have the option of receiving dual credit for College Algebra with Hocking College**

CCP PRE-CALCULUS (246CC) GRADES 9-12 - 1 CREDIT - Prerequisite: Honors Geometry or Teacher Recommendation

Pre-calculus is a rigorous course designed to prepare the students for Advanced Placement Calculus. This course will include the study of various functions, analytic geometry, and discrete mathematics. Topics will include polynomial functions, exponential functions, logarithmic functions, linear algebra, trigonometric functions, and their inverses.

Students have the option of receiving dual credit for Pre-Calculus with Hocking College

ADVANCED PLACEMENT CALCULUS (292) GRADE 12 - 1 CREDIT - Prerequisite: "B" or better in Pre-calculus or Teacher Recommendation

The AP Calculus course assumes knowledge of Algebra, Geometry, Trigonometry, and Analytic Geometry. Topics in AP Calculus include the following: the concept of a limit, the derivative, applications of the derivative, anti-derivatives, techniques of integration, the definite integral, and applications of the integral. The content is challenging and the pace is quick. The content of this course is dictated by the College Board.

CCP CALCULUS (291CC) GRADE 12 - 1 CREDIT YEAR

-Prerequisite: "B" or better in Pre-Calculus or Teacher Recommendation

This Calculus course assumes knowledge of Algebra, Geometry, Trigonometry, and Analytic Geometry. Topics in Calculus include the following: the concept of a limit, the derivative, applications of the derivative, anti-derivatives, techniques of integration, the definite integral, and the applications of the integral. The content is challenging and the pace is quick. **Students have the option of receiving dual credit for Calculus with Hocking College.**

CCP STATISTICS (252CC) GRADES 9-12 - 1 CREDIT

The student will be introduced to fundamental statistical concepts and techniques. The student will learn to calculate and interpret basic statistical measures, with an emphasis on appropriate applications in real-world contexts. Topics will include measures of central tendency and dispersion. The student will explore various statistical distributions including the normal distribution, Student's t-distribution, Chi-square distribution, and F-distribution. The student will construct and interpret confidence intervals and will examine relationships between variables using correlation and regression analysis. The student will also study sampling methods and conduct hypothesis tests to draw conclusions based on data. Additional topics will include analysis of variance (ANOVA) and introductory probability concepts. **Students have the option of receiving dual credit for Statistics with Hocking College**

RECREATIONAL & LIFE SKILLS MATH GRADES 9-12 - ½ CREDIT (Elective) - Prerequisite: None

This course is designed to teach students to find the appreciation of mathematics that exists in real world situations. The class will look at puzzles, patterns, riddles, number tricks, etc.. The students will also learn valuable math skills that occur in everyday life such as using measuring tools and banking skills.

FOREIGN LANGUAGE

CP SPANISH I- (180) 1 CREDIT *Passing grade of B or higher from previous grade in English*

This program is designed to acquaint the students with the Spanish language in the following areas: listening, speaking, reading and writing. They will use tapes with native Spanish voices, visual aids, and a text containing the spoken material as well as study the basic conversational patterns, grammatical structures, pronunciation and culture of the Spanish people.

CP SPANISH II- (185) 1 CREDIT *Passing grade must be obtained in Spanish I*

This course continues the program of Spanish I on a more advanced level. The student is expected to work in the areas of conversation and reading in a more advanced and mature manner. If time allows there may be some exposure to Spanish literature.

CP SPANISH III - (190) 1 CREDIT *C or higher must be obtained in Spanish II*

This course is designed to deal with any or all of the following:

1. A more natural, fluent use of the Spanish language.
2. A study of some of the more involved structures of the language.
3. Refinement of pronunciation, writing and reading abilities.
4. A study of some of the key elements of the culture, which may include some literature.

CP SPANISH IV - (195) 1 CREDIT C or higher must be obtained in Spanish III

Most of this year will be devoted to intensive use of skills in communication in Spanish with special emphasis on reading, writing and speaking in the target language.



SCIENCE SUBJECTS

For graduation, students must take 1 Physical Science (Physical Science or Chemistry), 1 Life Science (Biology) and 1 Upper Level Science.

-If you do not meet the prerequisite, you may only take a course with teacher approval.

-More than one science course may be taken in a year.

<i>Tracks</i>	<i>9th Grade</i>	<i>10th Grade</i>	<i>11th Grade</i>	<i>12th Grade</i>
<i>Advanced</i>	<i>Honors Biology</i>	<i>Chemistry</i>	<i>One of the Upper Level Science Classes.</i> <i>May also take a Science Elective.</i>	<i>One of Upper Level Science Classes or Electives</i>
<i>College Prep</i>	<i>Physical Science</i>	<i>Honors Biology</i>	<i>One of the Upper Level Science Classes.</i> <i>May also take a Science Elective.</i>	<i>One of Upper Level Science Classes or Electives.</i>

General	Physical Science	Biology	One of the Upper Level Science Classes. May also take a Science Elective.	One of Science Electives.
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PHYSICAL SCIENCE (321) GRADES 9-12 - 1 CREDIT (Meets Graduation Physical Science Requirement)

This science course includes studies and laboratory experiences in fundamental chemistry and physics. Topics include, but are not limited to; laboratory safety, scientific method, matter, basic chemical equations, chemical/physical properties, waves, light, sound, machines, forces and motion.

BIOLOGY (336) GRADES 10-12 - 1 CREDIT (Meets Graduation Life Science Requirement)

This is a life science course which examines the diverse nature of life on earth. Major topics include: biological environments, adaptation and evolutionary change, cell structure and function, DNA and heredity, and chemical processes that govern living organisms. Laboratory experiences, class activities and cooperative learning projects will assist the learning of this content.

HONORS BIOLOGY (340) GRADES 9-12 - 1 CREDIT - Prerequisite – 8th grade Science teacher recommendation, Biology instructor approval, C or better in Physical Science. (Meets Graduation Life Science Requirement)

This course is a college preparatory class that investigates the composition, diversity and interconnectedness of life. Biology focuses on understanding the structure, function and processes of cells, genetics and heredity, evolution, classification of organisms, and ecology. Laboratory experiences, class activities and cooperative learning projects will assist the learning of this content.

ENVIRONMENTAL BIOLOGY (325) GRADES 10-12 - 1 CREDIT - Prerequisite: Must have earned credit for Biology or Honors Biology. (Meets Graduation Upper Level Science Requirement)

This upper-level science course can fulfill the third science credit requirements. Environmental Science is a life science course which focuses on ecology, environmental science and the classification/characteristics of living organisms. Laboratory experiences, dissections and cooperative learning projects will assist the learning of this content.

CHEMISTRY (360) GRADES 10-12 - 1 CREDIT - Prerequisite C or higher in Algebra I and Biology or Honors Biology. (Meets Graduation Physical Science or Upper Level Science Requirement)

This is a college preparatory class that looks at the behavior of matter from the perspective of the particles that make it up. The subject requires students to think and reason about abstract concepts. The course will contain a certain degree of laboratory coursework in conjunction with regular classwork. Content covers foundational Chemistry concepts, such as atomic structure, light waves, chemical bonding, types of chemical reactions, gases, and more.

HONORS CHEMISTRY (361) GRADES 10-12 - 1 CREDIT - Prerequisite C or higher in Algebra I and Biology or Honors Biology. (Meets Graduation Physical Science or Upper Level Science Requirement)

This is a college preparatory class that studies the behavior of matter. This includes interactions of matter, properties of matter, and structure of matter. Lab work will be a crucial supplement to this class. The same content from Chemistry will be covered, but this class offers a more accelerated pace and a more in-depth approach to the content. A scientific calculator is required for this course. This upper-level

science course can fulfill the third science credit requirements.

INTRODUCTION TO AVIATION (379) GRADES 10-12 –½ CREDIT

Students enrolled in this class will be learning about many aspects of flight, including: types of aircraft, how they're made, how they fly, aircraft construction, aircraft controls, flight maneuverability, and aircraft systems. Students will incorporate flight simulation and drone flying into their learning. This class is a half-year, elective class.

CCP BIOLOGY I (335CC) GRADES 11-12 1 CREDIT (Meets Graduation Upper Level Science Requirement) Prerequisite: C or better in Honors Biology or Biology

CCP Biology I is a College Credit Plus class taught through Zane State College. A one semester college introductory biology course, CCP Biology I is a study of cellular and molecular biology. This laboratory-based course focuses on life and its classification, scientific method, chemistry of life, cell structure and function, bioenergetics, DNA and proteins synthesis, cell division, principles of inheritance, and evolution. Students receive 4 college credit hours and 1 high school credit hour upon successful completion of the course.

CP ANATOMY AND PHYSIOLOGY (342) GRADES 11-12 – 1 CREDIT (Meets Graduation Upper Level Science Requirement) Prerequisite: Biology (C or better) or Honors Biology

This college preparatory course focuses on the organization and function of the human body organ systems. The systems covered include the skeletal, muscular, integumentary, respiratory, circulatory, digestive, immune, endocrine, excretory, and reproductive systems. Laboratory experiences will assist the learning of this content, including the dissection of preserved organs and a fetal pig.

CP PHYSICS (380) GRADES 11-12 - 1 CREDIT - Prerequisite C or higher in Chemistry and Algebra I (Algebra II strongly recommended) (Meets Graduation Upper Level Science Requirement)

Physics is a College Preparatory course that introduces students to the physical laws that govern their everyday life. Students will use a combination of hands-on learning and conceptual/mathematical problem solving to understand their physical environment. Course content includes one-dimensional and two-dimensional motion, balanced and unbalanced forces, energy, momentum, sound waves, and more. This course satisfies an upper-level science course credit.

MEDICAL TERMINOLOGY (320) GRADES 10-12- ELECTIVE - ½ CREDIT

Medical Terminology provides a study of the vocabulary used by medical personnel. Basic prefixes, suffixes, root words, and combining vowels are emphasized as the foundation for mastery. This course is for any student considering a career in any health field at any college and wanting to understand more about human health. This class is a one semester elective.

SCIENCE OF SPORTS MEDICINE (322) GRADE 11-12 - ELECTIVE -1 CREDIT - Prerequisite: Must be Junior or Senior and must have earned credit for Biology or Honors Biology.

This upper-level science course can fulfill the third science credit requirement. It studies an overview of the profession of Athletic Training as well as a survey of the fundamentals of sports medicine. Topics include basic recognition of techniques used in inspecting injuries; methods and techniques for treating injuries; examines the operations of the athletic training room; and leads to an understanding of the importance of preventing injuries. This course also provides some human anatomy and techniques, both dealing with athletes. Students will be First Aid/CPR certified during this course.

*** Students are required to complete observation hours outside of classroom time with the athletic trainer.**

SCIENCE OF SPORTS MEDICINE II (323) GRADE 11-12 - ELECTIVE -1 CREDIT - Prerequisite: Must have earned credit for Science of Sports Medicine.

*This course is the continuation of Science of Sports Medicine. It studies more complex injuries; mechanisms; treatments; modalities; muscle origin, insertion, and action; and examines the role of an athletic trainer in a high school setting. Students are responsible for knowing basic anatomy and techniques taught in Science of Sports Medicine. * Students are required to complete observation hours outside of classroom time with the athletic trainer.*

FORENSIC SCIENCE (326) GRADES 9-12 - ELECTIVE - 1 CREDIT

This science elective course focuses on the skills and concepts behind crime scene investigation and forensic science. Students will develop investigative skills as well as reviewing and applying science to real life crimes. The course includes laboratory experiences, case studies, online activities and cooperative learning projects to assist the learning about forensic science.

SCIENCE FICTION : GRADES 11-12 - ELECTIVE - ½ OR 1 CREDIT - Prerequisite: Must have completed Physical Science and Life Science Graduation Requirements (Physical Science/Chemistry/Biology)

This science elective course will focus on various forms of media (books/texts/films/pop culture), comparing science fiction to science fact(s). During this course students will read books/short stories, watch various films/movies, complete labs connected to the scientific process and techniques demonstrated in the media and discuss the similarities and differences between the fiction presented in the media and the facts of real life. The class will also examine how (and when) former science fiction becomes science fact.

ZOOLOGY (378) GRADES 9-12 - 1 CREDIT

Zoology is a year-long, one-credit advanced science course that examines the diversity and complexity of the animal kingdom. Students engage in the systematic study of animal classification and diversity; major vertebrate and invertebrate groups; comparative animal anatomy; structural and behavioral adaptations; animal behavior and ecology; animal life cycles and development; and conservation, including the impacts of human activity on animal populations. Emphasis is placed on scientific inquiry, analysis, and the application of biological principles.

PRINCIPLES & APPLICATIONS OF ADVANCED SCIENCES (350) GRADES 10-12 - 1 CREDIT

This course will explore topics across the disciplines of physical, life, and earth sciences and will be primarily split into two main components - forensic science principles and applications in the first semester and astronomy principles and applications in the second semester. Students will participate in class activities, laboratory experiments, current events analysis and cooperative learning projects while learning this content. (Meets Graduation Upper Level Science Requirement)

SOCIAL STUDIES

Sequence of Required Courses

9th- World History

10th- US History **or** AP US History

11th- US Government **or** AP US Government & Politics

Electives

Sociology

AP Psychology

AP Human Geography

World Geography (semester, .5 credit)

Global Issues (semester, .5 credit)

Intro to Debate (semester, .5 credit)

Electives Continued

Current Events (semester, .5 credit)

Crime & Punishment (semester, .5 credit)

Ohio History (semester, .5 credit)

Conspiracy Theories Throughout History (semester, .5 credit)

WORLD HISTORY (442) GRADE 9 - 1 CREDIT - Required

Time Period: 1750-Present. Students will study history from a global perspective from the Enlightenment to present day. This course will include grade level Ohio Content Standards.

U.S. HISTORY (443) GRADE 10 - 1 CREDIT - Prerequisite-World History - Required

This course begins by examining some key documents in American history which form the basis for the United States of America. The course then continues with examining the history of the United States of America from 1877 to the present.

AP US HISTORY (444) GRADE 10 - 1 CREDIT - Prerequisite-World History -Required

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

US GOVERNMENT (452) GRADE 11 - 1 CREDIT - Prerequisite – World History, U.S. History- Required

This course will include a study of the national, state and local governments of the United States. It will involve an investigation of the basic principles of popular sovereignty, limited government, separation of powers, checks and balances, judicial review and the growth of these principles. A study of legislative, judicial and executive branches will be undertaken at each level of government.

AP US GOVERNMENT AND POLITICS (453) GRADE 11 - 1 CREDIT - Prerequisite- World History, US History - Required

Students will examine the six key content areas of study for AP US Government and Politics: constitutional underpinnings of our government; political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government; public policy; and civil rights and civil liberties.

SOCIOLOGY (464) - GRADES 11-12 - 1 CREDIT – ELECTIVE

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Students will investigate the structure of groups, organizations, and societies and how people interact within these contexts.

WORLD GEOGRAPHY (454) GRADES 10-12 - ½ CREDIT Prerequisite World History- ELECTIVE

This course builds on students' understanding of geography and spatial thinking. Contemporary issues

are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

AP HUMAN GEOGRAPHY (455) GRADES 10-12 - 1 CREDIT- prerequisite- World History- ELECTIVE

AP Human Geography will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

AP PSYCHOLOGY (445) GRADES 10-12 - 1 CREDIT – Prerequisite of a B in previous Social Studies course – ELECTIVE

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice.

HISTORY THROUGH FILM (456) GRADES 11-12 - ½ CREDIT – ELECTIVE

Curriculum for this course will involve the viewing and analysis of a number of films, which are meant to represent significant events in history. Film can be a method for the study of history, and that is the goal of this course. Students will view films and participate in related research and study that allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. During the course the primary focus will be on three connections between film and history: films as a reflection of the time during which the film was made, film as a philosophical or historical essay from the film maker's perspective, and film as a "window on the past", a recreation of past events and the methods used to create historical films. Participating in this course will afford students a unique opportunity to use critical thinking skills to enrich their study of history.

INTRODUCTION TO DEBATE (457) GRADES 9-12 ½ CREDIT – ELECTIVE

In this course, you will learn the introductory principles of argumentation, logic, and debate. We will survey different models of argument, learn how to structure and support arguments, and practice those skills in individual speaking, partnered, and group contexts.

CURRENT EVENTS (M351) GRADES 9-12 - ½ CREDIT - ELECTIVE

The Current Event course is designed to help develop awareness, understanding, and informed opinion on U.S. foreign policy and global issues. This course allows students to study the general landscape of contemporary global problems and issues along with in-depth explorations of specific topics. The course will introduce students to the events, trends and problems facing citizens and leaders in an increasingly interdependent world.

CRIME AND PUNISHMENT (441) GRADES 9-12 - ½ CREDIT - ELECTIVE

A semester-long social studies elective that explores the evolution of law, the psychology of criminal behavior, and the societal mechanisms of justice. Students will examine historical legal codes, analyze landmark Supreme Court cases, and debate the ethical dilemmas of the modern penal and correctional system.

OHIO HISTORY (438) GRADES 9-12 - ½ CREDIT - ELECTIVE

Ohio History is a semester-long elective course that examines the landforms, climates, and natural resources of the Buckeye State, along with its rich political and social heritage. Students will trace Ohio's journey from its Indigenous roots and early frontier settlements to its vital position as an industrial and modern powerhouse.

CONSPIRACY THEORIES THROUGHOUT HISTORY (440) GRADES 9-12 - ½ CREDIT - ELECTIVE

This course examines the conspiracy thinking that has been a part of American society from the colonial period through the present day. This course will explore theories in United States history as well as older/global, monster/ animal, and reality conspiracy theories. Though such theories are interesting and thought provoking this course will not be about learning the unsubstantiated facts that surround these views. Instead students will analyze the history, reasoning, arguments and rhetoric as well as evaluate sources surrounding these theories. Students will explore: Why do these theories exist? Why are people attracted to them? What do they reveal about society and culture?

GLOBAL ISSUES (439) GRADES 9-12 - ½ CREDIT - ELECTIVE

Global Issues is a course that is designed to help develop awareness, understanding, and informed opinion on U.S. foreign policy and global issues. This course allows students to study the general landscape of contemporary global problems and issues along with in-depth explorations of specific topics. The course will introduce students to the events, trends and problems facing citizens and leaders in an increasingly interdependent world.

AGRICULTURAL DEPARTMENT**AGRICULTURE, FOOD AND NATURAL RESOURCES (383) GRADES 9-12 - All 1st year Agricultural Education Students Credit: 1.25 Fee: Yes**

This first course is the introduction to the Agricultural Education Program at West Muskingum. Successful completion of this course is the prerequisite for all courses in the Ag Department. 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 & management, plant & horticultural science, power technology and bio-science. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

ANIMAL & PLANT SCIENCE (391) Grades 10-12 - Credit: 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

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 of plant production. Throughout the course, business principles and professional skills will be examined. Students enrolled in this course will be

members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

ENVIRONMENTAL SCIENCE (384) Grades: 10-12 - Credit: 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

Completion of this course meets graduation requirements for Advanced Science Credit.

MECHANICAL PRINCIPLES (392) Grades: 10-12 - Credit: 1.25 Fee: Yes Prerequisite: Successful Completion of Environmental Science or Animal & Plant Science

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

ANIMAL HEALTH (387) Grades: 10-12 - Credit: 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting the industry. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

GLOBAL ECONOMICS (395) Grades 11-12 - Credit 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

Students will examine economic principles related to agriculture, food, and natural resources along with the operation and use of commodity futures and option markets. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems. They will examine future exchanges and commodity futures contracts, hedging strategies, as well as put and call options. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

ANIMAL ANATOMY (388) Grades: 10-12 - Credit: 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

Students will examine the structure and function of the major organ systems as well as the function and principle of blood flow in animals. Students will study internal and external anatomical parts, their functions, and will investigate the relationship among these parts and systems within the body of an animal. Throughout the course, students will apply the internal functions of anatomical structures to the business and industry principles of the animal industry. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

AG BUSINESS MANAGEMENT (390) Grades 11-12 - Credit 1.25 Fee: Yes Prerequisite: Successful Completion of AFNR

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. They 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. Students enrolled in this course will be members of the FFA organization and have the opportunity to participate and compete with the FFA Chapter on the Local, State and National level.

AG WORK BASED LEARNING (602AG) GRADES: 11-12 - CREDIT: 1-4

Work Based Learning is an opportunity for seniors who are on track for graduation, have previously passed Agriculture, Food and Natural Resources, and are employed at an agricultural enterprise. Work Based Learning students are required to be enrolled in Agricultural Business Management (390) or Global Economics (395) depending on which course is being offered next year. Students are required to be passing all courses they are enrolled in at the end of each 9 weeks to remain on Work Release for the next 9 weeks, while also collecting monthly employer evaluations and tracking their hours of employment each pay cycle. Capstone Credit will be issued for work-based learning hours.

WORK RELEASE (600WB-A & 600WB-B) GRADES: 11-12

Work Release is an opportunity for seniors who are on track for graduation at the end of the junior year to be excused from school early each day to go to their place of employment. Students are required to work a minimum of 8 hours Monday – Friday each week while also being enrolled in Agricultural Business Management (390) or Global Economics (395) depending on which course is being offered that next year. Students are required to be passing all courses they are enrolled in at the end of each 9 weeks to remain on Work Release for the next 9 weeks, while also collecting monthly employer evaluations and tracking their hours of employment each pay cycle. Students will be required to be enrolled in a minimum of 5 credit hours for the entire year. No additional credit hours will be given for work release.

FAMILY AND CONSUMER SCIENCES

CULINARY FUNDAMENTALS (683) GRADES 9-12 - ½ CREDIT

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

GLOBAL FOODS (692) GRADES 9-12 - ½ CREDIT

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of speciality and advanced equipment in the preparation of food dishes.

FOOD SCIENCE (693) GRADES 9-12 - ½ CREDIT

In this course, students will evaluate chemical reactions as they occur in cooking methods and assess how to control high risk food safety situations. Food Safety techniques will align to industry recognized certifications.

FASHION DESIGN (699) GRADES 9-12 - ½ CREDIT

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textile products.

CHILD DEVELOPMENT (689) GRADES 9-12 - ½ CREDIT

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child, sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating child care services.

FINANCIAL LITERACY (695) GRADES 11-12 - ½ CREDIT

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills, money management, taxes, retirement, and analyzing services from financial institutions. This course fulfills the graduation requirement set by the Ohio Education Department.

CAREER AND COLLEGE EXPLORATION (696) GRADES 11-12 - ½ CREDIT

This course will allow students to explore occupations, workplace skills, post secondary admission qualifications and a foundation for the next step in their life.

TRANSITIONS AND CAREERS (684) GRADE 12 - 1 CREDIT

This course is used as a point recovery class. The Rise Up program used fulfills an opportunity for an industry credential. A student will be placed in this course as needed.

LIFESPAN DEVELOPMENT (690) GRADES 9-12 - ½ CREDIT

In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social, and emotional growth and development

including Human Services Careers. Additional topics will include human characteristics and traits, genetics, parenting theories, and cultural differences within a family unit.

NUTRITION AND DIETETICS (691) GRADES 10-12 - ½ CREDIT

In this course, an emphasis will be placed on understanding dietary needs across the lifespan using the principles of nutrition, planning and preparing meals, portion control, body weight, and maintaining a healthy lifestyle. This course will introduce skills needed for Nutrition related careers.

ART DEPARTMENT

FOUNDATIONS OF ART (811) GRADES 9-12 - ½ CREDIT (ELECTIVE)

Foundations of Art is an introductory course that explores the elements and principles of design as the building blocks of visual creativity. Students will experiment with a variety of media and techniques to develop their artistic skills and personal expression. Through hands-on projects, critiques, and analysis of historical and contemporary art, they will gain a deeper understanding of composition, balance, and visual communication. This course provides a strong foundation for further study in the visual arts while encouraging creativity and problem-solving.

CERAMICS (820) GRADES 10-12 ½ CREDIT (ELECTIVE)

This class will introduce students to the artwork of ceramics. Students will focus on three handbuilding techniques, pinch methods, coil processes, and slab methods. Students will create functional and decorative clay pieces while learning various ways to form and manipulate clay. A variety of glazing and decoration techniques will be introduced as well. Students will be able to independently create pieces starting from a sketch and finally creating the actual piece of 3D art.

INTRODUCTION TO PAINTING (814) GRADES 9-12 ½ CREDIT (ELECTIVE)

Painting will focus on color theory and the media of acrylic and watercolor paints. Students will explore multiple techniques for each media used. Working from direct observation, students develop an understanding of composition and paint manipulation.

INTRODUCTION TO DRAWING (817) GRADES 9-12 ½ CREDIT (ELECTIVE)

Introduction to Drawing is a foundational course that explores the essential skills and techniques needed to create dynamic and realistic drawings. Students will develop their understanding of line, shape, form, space, value, perspective, shading, proportion, and composition through a variety of exercises and projects. By working with different drawing tools and methods, they will enhance their observational skills and artistic expression. This course provides a strong basis for future artistic growth while encouraging creativity and confidence in visual storytelling.

DIGITAL ART - (825) GRADES 9-12 ½ CREDIT (ELECTIVE)

This Digital Art & Design course focuses on different ways students can create digital art. During this course, students will gain a solid introductory understanding of many fundamental aspects of digital art-making. Using a variety of tools, including iPads, Apple Pencils, apps, and key programs from Adobe's "Creative Suite" (including Photoshop and Fresco). Students will create a wide variety of projects such as photo manipulation, collage, logo design, and varieties of digital mark-making and drawing. The goal for this course will be to help students gain knowledge and confidence with both technical and artistic skills

involved in making digital art. An emphasis will also be placed on visual problem solving and the communication of ideas through thoughtful and creative blend of type, text, and imagery.

INTERIOR DESIGN FUNDAMENTALS - (819) GRADES 9-12 ½ CREDIT (ELECTIVE)

Interior Design provides students with the opportunity to study the elements required to create an attractive and functional living space. This course introduces students to the wide variety of careers in the field of housing and interiors through hands-on activities. Technology and actual sample materials are used to develop projects related to architecture and interior design. Creativity and application of the elements and principles of design are emphasized.

ART THROUGH FILM - (828) GRADES 9-12 ½ CREDIT (ELECTIVE)

Art Through Film is an immersive course that explores the intersection of visual art and filmmaking, focusing on elements such as color, costume design, cinematography, and visual effects. Students will analyze how filmmakers use shot size, setting, and sound to enhance storytelling and convey cultural themes. Through film analysis and hands-on projects, they will gain an understanding of how these artistic components work together to create powerful narratives. This course allows students to appreciate the artistry behind films and develop their own creative vision within the medium

FILM APPRECIATION - (824) GRADES 9-12 - ½ CREDIT (ELECTIVE)

Film Appreciation will introduce students to the film industry and history of cinema through the study of classic and contemporary films. Emphasis will be placed on exposing the class to a wide variety of styles and genres as well as voicing and justifying criticisms of the works. Hands-on projects, written analyses and participation in class discussions will be requirements for successful completion of the course.

COLOR MASTERY - (827) GRADES 9-12 - ½ CREDIT (ELECTIVE)

Color Mastery is an in-depth exploration of color theory, focusing on the color wheel, harmonies, and the powerful role color plays in art and design. Students will study color psychology, symbolism across cultures and nature, and how color influences emotions and communication. Through hands-on projects and analysis, they will experiment with mixing, layering, and applying color effectively. This course deepens students' understanding of why color is essential in visual storytelling and creative expression.

ADVANCED ART - (812) GRADES 9-12 1 CREDIT (ELECTIVE) Teacher recommendation only

Advanced art is an in-depth year long studio course for motivated high school artists seeking to refine their skills and explore personal expression. Students experiment with advanced materials and processes while developing original artwork, engaging in critiques, and building a cohesive body of work that reflects their work as an artist. College portfolio creation is an option for this course as well.

ADVANCED PAINTING - (801A & 801B) GRADES 9-12 ½ CREDIT (ELECTIVE)

Advanced Painting is an independent art study that focuses on strengthening painting techniques while exploring composition, color theory, and expressive style. Students work with a variety of painting media to create original works that demonstrate depth, intention, and creative risk-taking.

ADVANCED DRAWING - (802A & 802B) GRADES 9-12 ½ CREDIT (ELECTIVE)

Advanced Drawing emphasizes advanced techniques in observational and conceptual drawing. Students refine their understanding of line, value, texture, perspective, and composition while developing a cohesive body of work that reflects personal style and strong technical control in this independent art study course.

ADVANCED PORTFOLIO - (803A & 803B) GRADES 11-12 ½ CREDIT (ELECTIVE)

Advanced Portfolio is an independent art, capstone-level course for highly motivated students preparing a professional-quality body of work. Students develop a cohesive portfolio that showcases technical skill, creative growth, and individual voice, suitable for college admission, scholarship applications, or exhibition.

INDEPENDENT ART REQUIREMENTS:

- 1.) Student must be of Junior or Senior Status*
- 2.) Student must have taken a minimum of 3 art courses prior to taking an Independent Study*
- 3.) Student must have a teacher recommendation before signing up for Independent Study*
- 4.) If a student has shown exemplary work habits and produced advanced work, the teacher may recommend the student for an Independent Study before having junior or senior status, or taking a minimum of 3 art courses. This decision is solely at the discretion of the art teacher and would be discussed with the student and student's parents.*

MUSIC SUBJECTS

Performing Ensembles

CONCERT BAND (864) 1/2 OR 1 CREDIT - YEAR

A musical performance organization that makes up the core of the instrumental music program. Students in this course will refine their skills as a musician on their instrument in solo, ensemble, and large band settings. Members are expected to attend all performances, which include three concerts, district/state contests, Commencement, and special performances. Some after school rehearsal may be necessary. Membership is by audition/permission of the band director and is open to all students capable of playing a band instrument.

JAZZ BAND (866) 1/2 OR 1 CREDIT - YEAR

A musical performance ensemble that studies the elements of jazz, pop, and rock styles. This group performs at band concerts, special events, and jazz festivals. Membership is by audition/permission of the band director and is open to students that can play one of the following instruments: saxophone, trumpet, trombone, piano, bass, guitar, or drums.

MARCHING BAND (863) 1/2 CREDIT - MEETS AFTER SCHOOL

A musical performance organization that promotes school spirit through instrumental and choreographed performances at football games, parades and band festivals. Students are required to attend summer rehearsals, including band camp July 22-26, after school practices, and attend all performances. Marching season runs from Memorial Day through mid-November. Marching band is an exciting and integral part of the high school band experience; therefore, all band students are expected to participate. Those students with conflicting fall activities may be excused if enrolled in 1st semester concert band. Membership is by audition/permission of the band director and is open to students capable of playing a band instrument.

PEP BAND (865) 1/2 CREDIT - MEETS AFTER SCHOOL

A musical performance ensemble that promotes school spirit through instrumental performances at home basketball games and special events. Pep Band season runs from December through February.

Membership is by audition/permission of the band director and is open to all students capable of playing a band instrument.

CONCERT CHOIR (883) GRADES 9-12 1/2 OR 1 CREDIT - YEAR

The aim and purpose of Concert Choir is to help the student have an understanding of vocal music from 1600 to the present. The Choir is designed for students who enjoy performance. After school requirements are to be expected.

AUDITION VOCAL ENSEMBLE (884) 1/2 OR 1 CREDIT - YEAR

*An extremely selective group of vocalists who will perform both popular and traditional music at a highly competitive level. Performances will be of a more theatrical nature. This group will be the elite vocalist group at West Muskingum. **Requirements to join include:** membership in the concert choir, and being selected through the audition process. Students will audition for Mr. Whetstone at the beginning of May. Auditioning requires you to select a song to sing. Also, be prepared to sight sing. After school requirements are to be expected.*



MUSIC SUBJECTS

Non-Performing Electives

MUSICAL THEATRE WORKSHOP (892) ½ CREDIT 1ST SEMESTER

This is a performance based course that will cover both conventional Straight Plays and Musicals. The focus will be on developing the student as an actor, solo, and duet singer. The goal of this class is to improve the student's overall performance capabilities. Students will be expected to perform in music and act in front of the class. Membership is by audition/permission of the instructor and is open to all students interested in performing on the stage.

MUSIC THEORY (893) ½ CREDIT 2ND SEMESTER

This class is designed for those students wishing to gain a better understanding of how music is put together. Any student that wants to pursue music in college is strongly encouraged to take this course. Students will study rhythm, pitch, chord structure and progressions, aural skills, and basic music composition. There will also be a heavy emphasis on ear training in order to develop the students' ear. This class is designed to enhance the performing musician's ability to read, comprehend, and analyze music.

CHAMBER MUSIC (882) ½ CREDIT 1ST SEMESTER

This is a performance based class designed for students wishing to learn more about solo and ensemble literature for their voice and/or instrument. Students can prepare music for a variety of possible events

such as school recitals, public appearances, holiday events, and OMEA Solo & Ensemble contests. The class is open to all students able to perform with their voice and/or instrument with at least a high school level of proficiency.

MUSIC TECHNOLOGY (887) ½ CREDIT - 1ST OR 2ND SEMESTER

This class is designed for any students that would like to learn more about the variety of technology available to make, study, and appreciate music. A variety of projects from designing songs based on musical loops to developing a podcast will help us learn how to use online resources as well as device specific applications to make music. Basic technology skills will be reviewed and all students must have an ability to work both independently and as a group.

MUSIC APPRECIATION (896) ½ CREDIT - SEMESTER

This class is designed for anyone who would like to learn more about the origins of music and where it is going. We will study the music, composers, and their historical influences from the time periods ranging from the Renaissance to today. We will also explore music from other cultures, including Australia, Asia, the Pacific Rim, Africa, Eastern Europe, the Caribbean and Native American. Finally, we will learn about the variety of technology available to make, study, and appreciate music. A variety of projects from designing songs based on musical loops to developing a podcast will help us learn how to use online resources as well as device specific applications to make music. Basic technology skills will be reviewed and all students must have an ability to work both independently and as a group.

PHYSICAL EDUCATION

CO-ED PHYSICAL EDUCATION (920) GRADES 9-12 - ¼ CREDIT: ½ CREDIT PE REQUIRED

Physical Education Goal

In physical education class, students will participate in different activities that promote a healthy lifestyle. The course will be structured under the National Standards for Sport and Physical Education. Students will have the opportunity to increase their strength, endurance, flexibility, improve body composition, balance, spatial awareness, and communication/teamwork skills. Students will be assessed in multiple ways including participation, work ethic, proper dress, skills test, cognitive/written test. Possible topics include, but are not limited to: endurance training, circuit training, soccer, basketball, volleyball, football, baseball, modern Dance, traditional dance, track & field, golf, ultimate frisbee, archery, team building exercises, and miscellaneous games & fitness activities. Required assessments: There are two required assessments that must be completed successfully in order to pass the course.

PHYSICAL EDUCATION WAIVER

A student who, during high school, has participated in interscholastic athletics, marching band, cheerleading, or Twisters for at least two full seasons is eligible to opt out of taking Physical Education. However, the student is still required to complete 21 credits to graduate. The .5 credit that the student would have earned from Physical Education needs to be made up with another elective. The waiver form must be filled out at the completion of each season, and the necessary signatures must be secured for each sport/activity. It is the student's responsibility to complete this form and turn it into their counselor. A complete athletic season is defined as a season where the student remained on the roster for the complete season and was not removed or left the team or activity for any reason.

Students who are granted the waiver are still eligible to choose physical education courses as elective

courses.

STRENGTH & CONDITIONING (945A OR 945B) GRADES 9-12 - ½ CREDIT - ELECTIVE -OFFERED EACH SEM.

Students will go through a weight lifting and conditioning program. This course will focus on proper technique, muscle building and agility training and conditioning. This course does not count as PE credit

ELECTIVES

ATHLETIC WEIGHT LIFTING (936A OR 936B) GRADES 9-12 - ½ CREDIT - ELECTIVE -OFFERED EACH SEM.

*Athletes will go through a weight lifting program specifically designed for varsity athletes. This course will focus on proper technique, muscle building and agility training. A Varsity coach from the school must recommend you for the class. Approved by teacher. **This course does not count as PE credit.***

YEARBOOK (099) GRADES 9-12 - 1 CREDIT - YEAR

This year-long course creates pages for the high school yearbook, chronicling the history of the current school year. Students enrolled in this course will: (1) attend sporting events, club meetings, choir concerts, plays, assemblies, and other school events to take pictures and record the stories of the events (must provide own transportation); (2) design pages around those photos, write headlines, captions, and stories for the yearbook; (3) proofread and edit pages; (4) conduct interviews to gather stories for the yearbook.

ANNOUNCEMENTS/JOURNALISM (659) GRADES 9-12 - 1 CREDIT - NO PREREQUISITE

This yearlong class will serve as an introduction to news reporting, writing for broadcast, and basic video shooting/editing. Students will create content for the West M Video Announcements on a daily basis as well as longer form projects throughout the year. Students will be introduced to roles such as a reporter, anchor, floor director, and producer. Students will rotate in these roles in order to master skills for each in the news. Students will work on writing and revision skills in this class as they prepare scripts for daily newscasts (Suggestion: these students aren't required to participate in daily newscasts, only provide content/shadow those advanced students working on the show. This class would prepare at min. 1 show a week for West M Video Announcements. This would provide more class time for them to gain the skills before producing the show.)

MULTI MEDIA (868A OR 868B) GRADES 9-12 1/2 CREDIT - SEMESTER - NO PREREQUISITE

The Multi-Media class will focus on teaching students how to run and operate the LED Scoreboards, Video Camera and editing equipment. They will also learn how to properly interview and cover certain events throughout the school year. There is an after school hours requirement for this class. Students will be expected to do their part in covering events that require the scoreboard. Events such as Varsity Football games, Varsity Soccer games (boys and girls), and anything else that might require our presence. Multiple people may be required at events.

OFFICIATING (946) GRADES 9-12 - 1/2 CREDIT - SEMESTER - NO PREREQUISITE

This course is intended to teach students officiating requirements for different sports with an emphasis

on rule interpretation and enforcement. It also teaches students aspiring to be officials how to build self-confidence. There is a fee attached to each sport the student tests for.

SPECIAL EDUCATION SERVICES

Students who have been receiving special educational services will have their class schedules adjusted to accommodate their needs as prescribed by the Individual Education Plan (IEP).