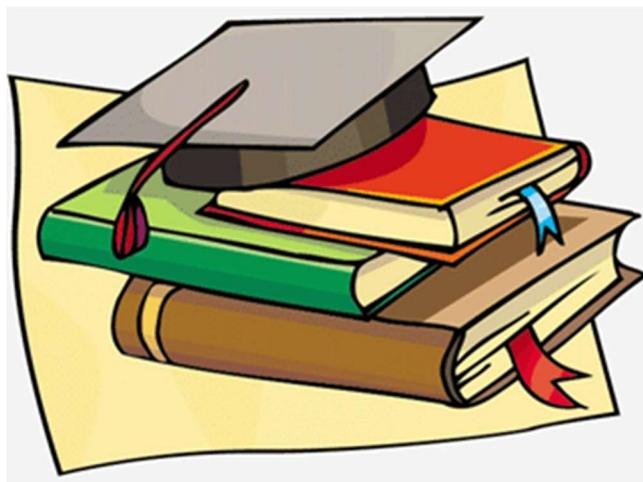


# *West Holmes High School*



*Course Selection  
Guide  
2026-2027  
School Year*

# *West Holmes High School*

West Holmes Local School District

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Dear Parents and Students,

Enclosed you will find a description of course offerings and requirements for students to use during the course selection process. This is a critical time of the year for students as they plan for next year's schedule. Please take time to talk together about future plans and goals so your decisions will be most beneficial. The foundation that is built now will allow students to achieve future goals and dreams.

We have made a few changes this year, so students need to read the guide carefully. The only way we can set up a master schedule is if students select courses and stay in the classes they have chosen. The number of classes and when they are offered is based on the student's course selections. Once the decisions are made they cannot be altered as it affects the entire building schedule. If students work with parents, teachers and counselors, they should make wise decisions that will provide an optimal experience next school year.

The counselors will meet with all of the students and supply them with necessary information and allow them an opportunity to ask questions. We are all here to help students have an awesome and rewarding high school experience that will allow them to become productive adult citizens.

We are looking forward to great things at West Holmes High School.

Scott Pringle  
Principal

## **OUR VISION**

Building Foundations for Life

## **OUR MISSION**

Educating, preparing, and encouraging lifelong learning  
with supportive community partners

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## **Non-Discrimination Policy**

Our school policy prohibits discrimination with respect to race, color, age, religion, sex, physical or mental handicaps, or national origin in all matters pertaining to enrollment.

## **WEST HOLMES HIGH SCHOOL** **GRADUATION REQUIREMENTS**

*Students must meet the requirements specified below to be eligible to receive a diploma.*

<b>Class</b>	<b>Credits</b>							<b>State Test</b>
	ELA	Math <sup>a</sup>	Sci <sup>b</sup>	SS <sup>c</sup>	H/PE <sup>d</sup>	Elec	Total	
2030	4	4	3	3	.5/.5	6 <sup>ef</sup>	21	End of Course Exams
2029	4	4	3	3	.5/.5	6 <sup>ef</sup>	21	End of Course Exams
2028	4	4	3	3	.5/.5	6 <sup>ef</sup>	21	End of Course Exams
2027	4	4	3	3	.5/.5	6 <sup>ef</sup>	21	End of Course Exams

- a* Mathematics Credits must include 1 Credit of algebra II or the equivalent of algebra II
- b* Including Physical Science and Biology
- c* Including American Government and U.S. History
- d* All high school students, who have participated in interscholastic athletics, marching band, or cheerleading at an accredited high school for at least two full seasons, will not be required to complete the .5 Credit physical education requirement. However, the student is required to complete .5 Credits in another course. **In order to fulfill this requirement, the student must complete 2 seasons of interscholastic athletics, marching band, or cheerleading **OR** 2 semesters of Physical Education credit. It cannot be one season and one semester of Physical Education.**
- e* Electives must include one or any combination of world language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required. In addition, all students must complete at least two semesters of fine arts taken any time in grades 7-12.
- f* Ohio law requires all students to earn 0.5 credit of financial literacy.

## **Graduation Assessment Requirements**

### **Must demonstrate Competency and Readiness**

#### **Competency: Earn a 684 on Ohio's high school Algebra 1 and ELA II tests.**

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

#### **Additional Option 1:**

Demonstrate Two Career-Focused Activities (At least one must be from the foundational section:)

#### ***Foundational***

Proficient scores on WebXams (\*\*Please see following section on options at West Holmes)

A 12-point industry credential (\*\*Please see following section on options at West Holmes & Career Center)

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

#### **Additional 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.

#### **Additional 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.

#### **Readiness: Earn two of the following diploma seals**

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

OhioMeansJobs Readiness Seal (Ohio)

Honors Diploma Seal (Ohio)

College-Ready Seal (Ohio)

Seal of Biliteracy (Ohio)

Military Enlistment Seal (Ohio)

Technology Seal (Ohio)

Citizenship Seal (Ohio)

Community Service Seal (Local)

Science Seal (Ohio)

Fine and Performing Arts Seal (Local)

Industry-Recognized Credential Seal (Ohio)

Student Engagement Seal (Local)

Guidelines for State seals can be found at [education.ohio.gov/graduation](http://education.ohio.gov/graduation)

Guidelines for Local seals can be found below.

## **Community Service Seal**

Definition of Community Service: Unpaid work that is designed to help an individual group or community. In order to earn the Community Service Seal at West Holmes High, each student will need to complete **12 hours** of community service. It is recommended that students complete **3 hours** of community service each year. Community service hours must be pre-approved by school administrators or counselors through the completion of a plan.

That plan should/may include the following:

1. Description of Community Service that will be performed.
2. Location of Community Service.
3. Total number of hours logged at one location will be recorded on the representative signature page. (Min. of 1 hour at each location)
4. Signature from a representative at the organization where the community Service will be completed.
5. Students will track their hours using the Community Service hours log sheet.
6. Completed service hours and documentation is due by May 1<sup>st</sup> of the student's senior year.

### **Community Service Pre-Approval List**

- If you plan to complete your community service hours at one of the following organizations, then you do not need pre-approval from the principal, assistant principal, or school counselor.
- If you plan to complete your community service hours at an organization that is NOT on the list, then you must get pre-approval from the principal, assistant principal, or school counselor.

### **Approved Organization List**

1. Any local church activity (Missions Trips - excluded)
2. Save and Serve
3. Holmes County Humane Society
4. Any local nursing homes
5. Holmes County Training Center
6. Goodwill Industries
7. Share-A-Christmas
8. Love Inc
9. West Holmes Local School Elementary Buildings
10. Holmes County Library
11. Any Local Food Pantry

### **Student Engagement Seal**

In order to earn the Student Engagement Seal at West Holmes High School, each student will need to complete **2 years** in a non-academic credited course. A list of programs offered is listed below. If you are unsure if you will receive credit for an activity, please seek guidance from an administrator or school counselor.

Programs:

- Any athletic sport offered by the high school regardless if you are on the Freshman, Junior Varsity, or Varsity team. (Playing multiple sports in one year will not count as two years)
- Involvement in the High School Musical
- Involvement in the High School Play
- Academic Challenge Team
- Jazz Band
- Pep Band

### **Fine and Performing Arts Seal**

In order to earn the Fine and Performing Arts Seal at West Holmes High, each student will have to complete **4 credit hours** in the fine and performing Arts. A list of classes in the Fine and Performing Arts department can be found below.

Art I, II, III, IV, V

Symphonic/Marching Band

Art History

Concert Choir

Ceramics I & II

Chamber Choir

Intro to Band

Music History/Appreciation

HS Concert Band

Music Theory

Concert/Marching Band

Jazz Band

HS Symphonic Band

Rock/Popular Band

Select Women's Choir

CCP Music History: Bach to Rock

## **Additional information for Foundational WebXam and 12-point Credential Option**

Earn an average passing score on at least 3 WebXams

Family & Consumer Science	Introduction to Family Consumer Science Principles of Food Child Development Textiles & Interior Design Textile Design, Construction & Maintenance Principles of Nutrition & Wellness Personal Financial Management
Agriculture	Ag Food & Natural Resources Animal & Plant Science Science & Technology of Food Business Management for Ag & Environmental Systems Livestock Selection, Nutrition, & Management Agricultural & Industrial Power
Construction Technologies	Principles of Wood Construction Core & Sustainable Construction Carpentry & Masonry Structural Coverings & Finishes Structural Systems Construction Safety & Crew Leadership
Welding Technologies	Welding Technologies Welding Fabrication Shielded Metal Arc Welding Gas Metal Arc Welding Flux Cored Arc Welding Gas Tungsten Arc Welding

## **12 Point Credential Programs at Ashland County West Holmes Career Center**

- Auto Body
- Auto Tech
- Animal Vet. Science
- Construction
- Cosmetology
- Criminal Justice
- Culinary Careers
- Cybersecurity and networking
- Early Childhood Education
- Graphic Communications
- Health Tech
- HVAC/R
- Mechanical Engineering
- Welding Technology

## **CREDIT FLEXIBILITY**

Students may earn high school credit through the district's flexible credit policy. The policy allows students to earn credit by:

1. completing coursework
2. testing out or showing mastery of course content;
3. pursuing an educational option and/or an individually approved option and/or
4. any combination of the above.

Please contact the Counseling office regarding flexible credit options.

## **COLLEGE ADMISSIONS POLICIES**

The state-supported colleges and universities with little variation have adopted minimum requirements. The minimum requirements follow:

- 4 credits of English
- 3 credits of math
- 3 credits of social studies
- 3 credits of science
- 2 credits of world language (same language, 3 credits preferred)
- 1 credit of visual or performing arts (art, band, chorus)

**Students wishing to attend any of Ohio's public or private four-year colleges or universities should plan to meet these requirements.**

**To enhance your chances for admission to the university and academic program of your choice, you are encouraged to take the most rigorous curriculum available at your school.**

## **FINE ARTS COURSES**

Appropriate fine arts experiences for high school students preparing for college should include essential content in the following:

- a) creating or performing works of art,
- b) understanding the history of the arts, and/or
- c) responding to the aesthetic features of works of art

All of the Ohio state-assisted institutions with an arts requirement will accept the following courses:

- Visual arts, including drawing and painting, printmaking, sculpture and other three-dimensional media, photography, cinema.
- Music, including vocal, instrumental, theory, composition.
- Theatre and drama, including performance and production.
- Dance, including performance, choreography.
- Multidisciplinary arts, including courses with two or more arts areas, aesthetic education, humanities, art history.

**W.H.H.S. Courses available for fine arts credits:**

Ag. Food and Natural Resources

Animal and Plant Science

Animation

Art History

Art I-V

Band: Concert, Marching, Symphonic

Broadcasting and Producing

CCP Music History/Exploring Music: Bach to Rock

Ceramics I-II

Choir: Concert & Chamber

Construction Technologies

Digital Imaging

Digital Video

Environmental Studies/Natural Resources/Ag Mechanics

Construction Safety & Crew Leadership

Game Design

Graphic Arts/Crafts

Intro to Band

Jazz Band

Music History/Appreciation

Music Technology

Music Theory

Modern Rock Band

Select Women's Choir

Textile Design Classes

Twentieth Century Music History/Appreciation

Welding Technologies

Welding Fabrication

Shielded Metal Arc Welding

Gas Metal Arc Welding

Flux Cored Arc Welding

Gas Tungsten Arc Welding

Construction Safety & Crew Leadership

3D Techniques

**New Honors Diploma Requirements Class of 2026 & Beyond**  
(You can only earn one of the following Diplomas)

## Academic Honors Diploma

Must meet a minimum of 7 to qualify.

1	Math	4 <sup>th</sup> Math must be >Algebra 2
2	Science	1 additional unit Advanced Science
3	Social Studies	1 additional unit Social Studies
4	World Language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5	GPA	3.5 on a 4.0 scale
6	ACT/SAT	ACT: 27 or higher/ SAT: 1280 or higher
7	Seal Requirement	Earn 2 additional diploma Seals, not including Honors Diploma Seal
8	Experiential Learning	Field Experience/Portfolio, OMJ Readiness Seal, or Work Based Learning

\*\*Students may replace any of the shaded options with a 'Student Strength Demonstration'. Can only replace one.

Student Strength Options include:

- College Credit Plus: 12 Credits
- AP: 3 courses with 3 or higher on AP tests
- CTAG: 12 College Credits
- Apprenticeship/Pre-Apprenticeship: Completion or evidence of acceptance if required to be older than 18
- WorkKeys: 6 or higher on all tests (void for Career Tech Honors Diploma)
- ASVAB: Score of 50
- Work Based Learning: 250 hours

\*\*Students can use OMJ Readiness Seal in 2 additional seals if it is not used in Experiential Learning Requirement

## Career-Tech Honors Diploma

Must meet a minimum of 7 to qualify.

1	Math	4 <sup>th</sup> Math must be >Algebra 2
2	Career-Tech Coursework	4 units of Career-Tech Courses
3	Career-Teach Proficiency	Proficient pathway score on WebXams
4	World Language	2 units of world language
5	GPA	3.5 on a 4.0 scale
6	ACT/SAT/WorkKeys	ACT: 27 or higher/ SAT: 1280 or higher WorkKeys: Earn a score of six or higher on all three sections of the WorkKeys assessment
7	Industry Recognized Credential Seal or Technology Seal	Meet requirements to earn the Industry Recognized Credential seal or Technology seal
8	Experiential Learning	Field Experience/Portfolio, OMJ Readiness Seal, or Work Based Learning

\*\*Students may replace any of the shaded options with a 'Student Strength Demonstration'. Can only replace one.

Student Strength Options include:

- College Credit Plus: 12 Credits
- AP: 3 courses with 3 or higher on AP tests
- CTAG: 12 College Credits
- Apprenticeship/Pre-Apprenticeship: Completion or evidence of acceptance if required to be older than 18
- WorkKeys: 6 or higher on all tests (void for Career Tech Honors Diploma)
- ASVAB: Score of 50
- Work Based Learning: 250 hours

## STEM Honors Diploma

Must meet a minimum of 7 to qualify.

1	Math	4 <sup>th</sup> Math must be >Algebra 2
2	Science	1 additional unit Advanced Science
3	STEM	2 units additional of STEM courses as electives
4	World Language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5	GPA	3.5 on a 4.0 scale
6	ACT/SAT	ACT: 27 or higher/ SAT: 1280 or higher
7	Industry Recognized Credential Seal or Technology Seal	Meet requirements to earn the Industry Recognized Credential seal or Technology seal
8	Experiential Learning	Field Experience/Portfolio, OMJ Readiness Seal, or Work Based Learning

\*\*Students may replace any of the shaded options with a 'Student Strength Demonstration'. Can only replace one.

Student Strength Options include:

- College Credit Plus: 12 Credits
- AP: 3 courses with 3 or higher on AP tests
- CTAG: 12 College Credits
- Apprenticeship/Pre-Apprenticeship: Completion or evidence of acceptance if required to be older than 18
- WorkKeys: 6 or higher on all tests (void for Career Tech Honors Diploma)
- ASVAB: Score of 50
- Work Based Learning: 250 hours

## Arts Honors Diploma

Must meet a minimum of 7 to qualify.

1	Math	4 <sup>th</sup> Math must be >Algebra 2
2	Fine Arts	4 units
3	Electives	2 units of Fine Arts (may overlap with general 4 units)
4	World Language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5	GPA	3.5 on a 4.0 scale
6	ACT/SAT	ACT: 27 or higher/ SAT: 1280 or higher
7	Fine Arts Seal	Meet local district requirements to earn the Fine Arts Seal
8	Experiential Learning	Field Experience/Portfolio, OMJ Readiness Seal, or Work Based Learning

\*\*Students may replace any of the shaded options with a 'Student Strength Demonstration'. Can only replace one.

Student Strength Options include:

- College Credit Plus: 12 Credits
- AP: 3 courses with 3 or higher on AP tests
- CTAG: 12 College Credits
- Apprenticeship/Pre-Apprenticeship: Completion or evidence of acceptance if required to be older than 18
- WorkKeys: 6 or higher on all tests (void for Career Tech Honors Diploma)
- ASVAB: Score of 50
- Work Based Learning: 250 hours

## Social Science & Civic Engagement Honors Diploma

Must meet a minimum of 7 to qualify.

1	Math	4 <sup>th</sup> Math must be >Algebra 2
2	Social Studies	2 additional units of social studies
3	World Language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
4	GPA	3.5 on a 4.0 scale
5	ACT/SAT	ACT: 27 or higher/ SAT: 1280 or higher
6	Community Service Seal	Meet local district requirements to earn the Community Service seal
7	Citizenship Seal	Meet the requirements to earn the Citizenship seal
8	Experiential Learning	Field Experience/Portfolio, OMJ Readiness Seal, or Work Based Learning

\*\*Students may replace any of the shaded options with a 'Student Strength Demonstration'. Can only replace one.

Student Strength Options include:

- College Credit Plus: 12 Credits
- AP: 3 courses with 3 or higher on AP tests
- CTAG: 12 College Credits
- Apprenticeship/Pre-Apprenticeship: Completion or evidence of acceptance if required to be older than 18
- WorkKeys: 6 or higher on all tests (void for Career Tech Honors Diploma)
- ASVAB: Score of 50
- Work Based Learning: 250 hours

## **AP CURRICULUM**

The goal of the AP curriculum is to provide an accelerated curriculum. The rigors and demands of the AP are meant to prepare college students for advanced placement. Departments may have criteria in place that serve as prerequisites to being admitted to the AP courses. It is required that AP students take the test at the culmination of the year. Students must pay for their tests, but will be reimbursed by the district if they score a 3 or above.

## **COLLEGE CREDIT PLUS**

College Credit Plus allows eligible 9-12<sup>th</sup> grade students to take nonsectarian, non-remedial educational coursework through a college or university that results in transcribed high school and college credit at the successful conclusion of that coursework. Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.) For more information see the CCP website and/or contact the WH Counseling office.

The following CCP courses are being offered at West Holmes High School next fall/spring (subject to change based on class size, instructor availability, and college availability/scheduling).

English Composition I  
English Composition II  
Algebra for Calculus  
Precalculus Mathematics  
Calculus I  
Calculus II  
Earth Science  
Government and Politics in the US  
Empires of the Ancient World  
US History Since 1877  
Introduction to Public Speaking  
Music History/Exploring Music Bach to Rock  
Business Management for Agricultural and Environmental Systems  
Livestock Selection, Nutrition, and Management

## **NCAA COLLEGE-BOUND STUDENT ATHLETE—ACADEMIC ELIGIBILITY**

If you want to play NCAA sports at an NCAA Division I or II school, you need to register with the NCAA Eligibility Center at <http://web3.ncaa.org/ecwr3>. The Eligibility Center works with you and your high school to certify your initial eligibility.

Not all high school classes are NCAA core courses. A core course prepares you for a four-year college and is taught at or above your high school's regular academic level. Visit <http://web3.ncaa.org/ecwr3> for a full list of your high school's core courses.

For additional information please refer to the Athletic Department or Counseling Office.

## **GRADE POINT AVERAGING**

A student's overall grade point average will only be determined at the conclusion of each course. No grade point average will be determined while a student is in the process of taking a course. Grade point averages reflect only completed coursework except for the purpose of determining valedictorian, salutatorian and the top 10% of the senior class rank. A student's GPA can be determined by adding up the total number of points earned per class and dividing by the total number of credits taken that grading period.

## **SCHEDULE CHANGES**

**Courses selected help determine how many sections of a course are needed, the master schedule and the number of teachers needed. Therefore, schedule changes will be made only when absolutely necessary.**

**Teacher recommendations are required for some courses. Caution: Failure to heed the teachers' recommendations are done at a considerable risk of failure.**

From the beginning of the scheduling process, February through April, ample opportunities are provided for the student to take an active part in the development of his/her schedule. **Any request for changes after the last day of school, will be honored only due to extenuating circumstances.** Once school begins in August, a student's request to change a class will only be considered if the request is a response to a technical error in scheduling or a student being academically misplaced as identified by the teacher. Before a drop or change is complete, a parent, student, and teacher conference may take place.

In addition, level changes may be made at the end of the first quarter or at the semester. Students must have a conference with the current teacher and counselor before any changes will be made. Grades accumulated in the former class will be reflected on the student's report card and final transcript as well as being calculated into the GPA

Examples of possible schedule changing situations would be:

1. If a student does not have any study halls in a semester and the opposite semester has study halls, a semester course could be moved from one semester to the other.
2. A student is academically misplaced.

No schedule changes will occur for reasons such as:

1. A student desiring a 9<sup>th</sup> period study hall.
2. A student desiring a teacher preference. (The only possible exception to this would be if a student has failed a course taught by the teacher in question and is repeating the same course.)

**Dropping Courses** – All students must have a minimum of seven courses each semester. In other words, students are only permitted 1 study hall, unless suggested by their IEP or 504 Plan. A student who is enrolled in more than the minimum number of classes, who wishes to drop a course after four weeks, will receive a W/F for the semester or year.

**Classes with insufficient enrollment may be dropped, and the student may be required to schedule another course. In addition, a student that has requested a class that has met its maximum capacity may need to choose a different course.**

At the end of the first grading period and the end of each subsequent grading period of the school year, students will need to be passing five one-credit courses or the equivalent to participate in interscholastic competition.

## CAREER PATHWAY COURSES

West Holmes is part of Career Connections, a program offered through the Ohio Department of Education & Workforce. This program ensures awareness for students of possible career choices and their high school coursework. Below is a scheduling tool to assist students when choosing classes. The chart shows career paths along with courses that are relevant to each pathway.

<b><u>Agriculture and Environmental Systems</u></b> Ag Food and Natural Resources Ag & Industrial Power Animal and Plant Science A & E Capstone World Cultures Business Management for Ag and environmental systems Science and Technology of Food Livestock Selection, Nutrition and Management Economics Geology	<b><u>Arts and Communication</u></b> Band/Choir Classes Art Classes 3D Techniques Animation Game Design Publications Art History Graphic Arts/Crafts Graphic Design Music Technology Music History/Appreciation Broadcasting & Producing	<b><u>Business Administration</u></b> Accounting I Accounting II World Cultures Economics Intro to Business Graphic Design Business & Personal Law Spanish
<b><u>Construction Tech</u></b> Agricultural & Industrial Power Welding Technology Welding Fabrication Welding (2 year program) Construction Tech. Laboratory Principles of Wood Construction Construction Safety & Crew Leadership	<b><u>Education and Training</u></b> Psychology Graphic Design Broadcasting Spanish Intro to Family & Consumer Science Child Development	<b><u>Engineering and Science Technologies</u></b> 3D Techniques Calculus Chemistry Organic and Biological Chemistry Physics Robotics Intro to Engineering Geology
<b><u>Finance</u></b> Accounting I Accounting II World Cultures Economics Intro to Business Business & Personal Law Personal Financial Management Functions, Statistics, & Trigonometry	<b><u>Government and Public Administration</u></b> Psychology Economics World Cultures OMUN	<b><u>Health Science</u></b> Psychology Calculus Chemistry Organic and Biological Chemistry Anatomy and Physiology, I Anatomy and Physiology II Principles of Nutrition & Wellness
<b><u>Hospitality and Tourism</u></b> World Cultures Spanish Science & Technology of Food Principles of Food	<b><u>Human Services</u></b> Psychology Child Development	<b><u>Information Technology</u></b> 3D Techniques Graphic Design World Cultures
<b><u>Law and Public Safety</u></b> Business & Personal Law Forensic Science Psychology	<b><u>Manufacturing</u></b> Economics Agricultural and Industrial Power Textile Design, Construction & Maintenance Textiles and Interior Design Construction Tech. Lab Principles of Wood Construction Welding Technology Welding Fabrication Welding (2 year program) Principles of Wood Construction Construction Safety & Crew Leadership	<b><u>Marketing</u></b> Animation Intro to Business 3D Techniques Graphic Design Broadcasting and Producing Digital Video Digital Imaging Publications
<b><u>Transportation Systems</u></b> Agricultural and Industrial Power Physics Functions, Statistics, & Trigonometry		

## COURSE DESCRIPTIONS

### FRESHMAN ORIENTATION COURSE

#### **260 College and Career Readiness (9)**

Prerequisites: none

**Credit: .5**

Length: Semester

In this course, all freshman students will analyze interests, aptitudes and skills to prepare for careers and transition to high school and through life. Students will begin developing their individualized graduation plan per state requirement. An emphasis will be placed on work ethic, team building, communication, and leadership skills. Other topics will include study skills, financial literacy, technology etiquette and career planning. In addition, students will be trained in CPR and AED use per state requirement. All freshmen are required to take this course.

### FINANCIAL LITERACY COURSE REQUIREMENT

#### **261 Financial Literacy (11)**

Prerequisites: None

**Credit: .5**

Length: Semester

Financial Literacy is a semester course to build financial foundations for young people. In this course, students will learn about creating a financial plan, spending (budget), saving, debt, and career planning. Students will learn to create and apply financial goals to their financial plans. They will learn how to spend their money properly by creating a zero-based budget. Students will discuss the three main reasons to save: emergency funds, large purchases, and wealth building. Students will be introduced to what debt is, the dangers of debt, and how to properly manage it.

### STUDENT LEADERSHIP ELECTIVE

#### **300 Student Leadership (10, 11, 12)**

Prerequisites: teacher approval

**Credit: 1**

Length: Full Year

This course is designed to help students develop their personal leadership styles and skills while learning how those abilities can positively influence their own lives and their community. Key content areas include decision-making, goal setting, effective communication, servant leadership, organization, and practical strategies for implementing change. The structure of the class includes group activities, planning and organizing school and community events, individual projects and goal setting, and opportunities to learn and practice leadership qualities both individually and collaboratively.

Additionally, students partner with the Holmes County Health Department to help educate the community about the negative effects of youth tobacco use, allowing

them to apply leadership skills through real-world advocacy and public health education efforts.

This course is built on the belief that great leaders are developed, not born, and focuses on equipping students with the knowledge, tools, and experiences needed to become effective and impactful leaders.

## **BUSINESS**

### **251 Accounting I (9, 10, 11, 12)**

Prerequisites: none

Fee: \$30.00

**Credit: 1**

Length: Full year

This course introduces students to the foundational concepts of accounting, equipping them with the skills to analyze and record financial information, understand business transactions, and prepare financial statements. Through hands-on activities, real-world examples, and practical applications, students will explore the basics of financial accounting, including topics such as the accounting cycle, debits and credits, ledger accounts, and balance sheet and income statements. Consider taking if you want to major in accounting, any business-related field or own your own business someday.

### **351 Accounting II (10, 11, 12)**

Prerequisites: Accounting I

Fee: \$30.00

**Credit: 1**

Length: Full year

Accounting II allows students to deepen their understanding of accounting principles and build on the skills learned in Accounting I. This course covers more complex financial concepts, including special journals, payroll, depreciation and taxes.

Accounting II is for the student who is considering employment in an office or bank upon graduation, plans to continue the study of accounting or a business-related field in college or plans to start his/her own business someday.

### **454 Intro to Business (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

Introduction to Business is an introductory course that will explore a variety of business topics including sales, promotion, product planning, leadership in management, human resource management, entrepreneurship, business ownership, etc. Each area of study will be accompanied by a hands-on project in that area. This course is a good course for those students who plan to major in business in college.

### **455 Business & Personal Law (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

This course is designed to introduce students to basic legal principles common to business and personal issues. Students who are interested in careers in law or who

want an understanding of basic areas of law may be interested in this course. Topics Discussed: Contracts, the importance of warranties, renting a place to live, borrowing money and buying on credit, bailments, negotiable instruments, bankruptcy, wills, criminal law, and tort law.

## COMMUNICATIONS

### **PS100 CCP Introduction to Public Speaking (9,10,11,12)**

**Credit: 1**

Program Prerequisites: Acceptance into Akron University's CCP & 16 Reading ACT score or placement test

Length: Semester

Introduce students to the principles and practices of effective communication and apply them in a variety of speaking situations. Students will study fundamental communication and rhetorical skills, the relationship between effective communication and civic engagement, and develop skills in critical thinking, organization, and research skills.

## COMPUTER TECHNOLOGY

### **803 3D Techniques (9, 10, 11, 12)**

**Credit: .5**

Prerequisites: none

Length: Semester

This introductory course offers an introduction to the world of 3D computer graphics and digital content creation using Autodesk Maya, a professional-standard software used widely in film, video games, and architectural visualization. Students will explore a variety of techniques for 3D environment, character, and story visualization, laying a good foundation for a career in the digital arts.

### **820 Animation (9, 10, 11, 12)**

**Credit: .5**

Prerequisites: none

Length: Semester

In this course, students will use animation and storyboarding techniques to plan the production of an animation project. Students will design from script and storyboard actions in the pre-production planning process. Students will use commercial and open source digital animation software to create finished animations, cartoons, and other short movies. They will accomplish this by using animated text, character movements, voice, background sound, sound effects and multiple scenes.

### **806 Game Design (10, 11, 12)**

**Credit: 1**

Prerequisites: none

Length: Full year

Class Size: 20

In this course students will be prepared to design and program games using commercial and open source programs and applications. Students will learn industry standard programming language constructs to write codes that integrate cases, class

methods, and class instances. Students will learn input method handling, animation, collision detection, game physics and basic artificial intelligence.

**810 Graphic Design (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

In this introductory graphic design course, students will explore the fundamental principles of visual communication and design, learning how to transform creative ideas into effective visual solutions. This course covers essential concepts such as color theory, typography, layout, and composition, while introducing students to industry-standard design software like Adobe InDesign, Canva, and Google Sites. Students will work on hands-on projects that range from logo creation and branding to websites and visual portfolios.

**809 Broadcasting and Producing (10, 11, 12)**

Prerequisites: with teacher approval

Class size: 16

**Credit: 1**

Length: Full year

Students will produce the morning news/announcements and special feature programs. Students will learn how to operate the camera and video editing and mixing equipment, computer generated graphics, and the basics of live production.

**818 Digital Imaging (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

This course will focus on the creation and editing of digital images including processing, storage, and printing. Students will use multiple software packages to create images from scratch as well as process images captured on camera.

**819 Digital Video (9,10,11,12)**

Prerequisites: none

**Credit: .5**

Length: Semester

This course will focus on creating, capturing and editing video. Students will script and create videos using digital cameras. Using video editing software, students will discover how to add sound, music, and special effects to create video files they can share and post. This course will be offered alternate years and will be available in the 2027-2028 school year.

## **ENGLISH**

### **Required English Courses:**

- 9<sup>th</sup> English 9 or CP English 9
- 10<sup>th</sup> English 10 or CP English 10
- 11<sup>th</sup> English 11 or CP English 11
- 12<sup>th</sup> English 12 or CP English 12 **or** Advanced Placement English

#### **120 English 9 (9)**

Prerequisites: none  
Estimated Fees: none

**Credit: 1**

Length: Full year

This course focuses on reading, writing, study and organizational skills. The curriculum includes study of non-fiction writings, novels, plays, short stories, and basic vocabulary.

#### **110 College Prep English 9 (9)**

Prerequisites: B average in 8th English is suggested and Teacher Recommendation  
Estimated fees: none

**Credit: 1**

Length: Full year

The focus is on research, reading, writing and analytical skills necessary for success in college. The curriculum includes short stories, novels, plays, poetry, non-fiction, grammar study, and systematic vocabulary study.

#### **220 English 10 (10)**

Prerequisites: English 9  
Estimated fees: none

**Credit: 1**

Length: Full year

This course focuses on proficiency in reading and writing skills, study skills and employability skills. Curriculum includes short stories, novels, plays, poetry, nonfiction and vocabulary study.

#### **210 College Prep English 10 (10)**

Prerequisites: College Prep English 9, teacher recommendation  
Estimated fees: none

**Credit: 1**

Length: Full year

Focus is on research, reading, writing and analytical skills necessary for success in college. Curriculum includes short stories, novels, plays, poetry, nonfiction and systematic vocabulary study.

#### **320 English 11 (11)**

Prerequisites: English 10  
Estimated fees: none

**Credit: 1**

Length: Full year

This course focuses on proficiency in reading and writing skills, and employability skills. Curriculum includes short stories, novels, plays, poetry, nonfiction and vocabulary study.

<b>310 College Prep English 11 (11)</b>	<b>Credit: 1</b>
Prerequisites: College Prep English 10, teacher recommendation	Length: Full year
Estimated fees: Students may be required to purchase two novels	

Focus is on reading, writing, and analytical skills necessary for success in college. The curriculum emphasizes the study of a variety of American literature including short stories, novels, plays, poetry, non-fiction, and systematic vocabulary study. College entrance exams, choosing colleges, and the application process will also be introduced.

<b>420 English 12 (12)</b>	<b>Credit: 1</b>
Prerequisites: English 11	Length: Full year
Estimated fees: none	

This course focuses on proficiency in reading and writing skills, and employability skills. Curriculum includes short stories, novels, plays, poetry, nonfiction and vocabulary study.

<b>410 College Prep English 12 (12)</b>	<b>Credit: 1</b>
Prerequisites: College Prep 11, teacher recommendation	Length: Full year
Estimated fees: none	

Focus is on research, reading, writing and analytical skills necessary for success in college. Curriculum includes short stories, novels, plays, poetry, and vocabulary study. Students will learn how to write admissions essays for college and how to apply for financial aid.

<b>PS410 CCP English Composition I</b>	<b>Credit: 1</b>
Prerequisites: Acceptance into Akron University's CCP Program & 18 English ACT score or placement test	Length: 1st Semester

Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This course will focus on developing writing skills, with practice in expressive, reflective, and analytic forms of writing.

<b>PS411 CCP English Composition II</b>	<b>Credit: 1</b>
Prerequisites: Acceptance into Akron University's CCP Program & 18 English ACT score or placement test	Length: 2nd Semester

Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This course will focus on developing skills in analyzing and writing persuasive arguments.

**400 AP English 12 (12)****Credit: 1**

Prerequisites: CP English 11, application process with teacher recommendation

Length: Full year

This course is designed to prepare students to take the Advanced Placement Test in English Literature and Composition, which can earn student's college English credit. Students, also, can use this course to prepare to pass individual college placement exams in English or to successfully complete freshman English in college. Class discussion is vital; writing skills must be excellent. The reading load is large and complex. Summer reading is required. *It is required that AP students take the test at the culmination of the year. Students must pay \$85 for the test, but they will be reimbursed by the district if they score a 3 or above. Families with demonstrated financial need could be exempted from this fee. (See the Counseling office)*

**Elective English Courses:**

Publications

**508 Publications (10, 11, 12)****Credit: 1**

Prerequisites: Advisor Approval

Length: Full Year

In the journalism course of study, students will learn to write interviews, news stories, sports stories, editorials, reviews, poll stories, and human-interest features. In this course, students study advanced interviewing, reporting, writing and critiquing techniques, as well as develop their own style of commentary, column, and feature writing. Students also will learn the basics of lead writing, cutline writing, headline writing, and copy editing. Additionally, students will learn how to lay out a page for a newspaper page and yearbook spread, and magazine page using design computer software so that it is ready for publication. This course prepares students for working on a school-sponsored yearbook or student newspaper. A major goal of students in this class is to publish the school newspaper and yearbook. The expansion of students' journalism experience will include the study of journalism management and production, consisting of editorial management, business finance, budgeting, accounts record keeping, and advertising. Students should have good organizational and writing skills with a flair for creativity and the ability to work unsupervised. Students will sell advertisements, take photographs, write copy, and design layouts. The ability to compromise and work well with others is expected.

**FINE ARTS**

The Fine Arts program is designed to guide students from one level of proficiency in art to another higher level while giving them an opportunity to express themselves creatively. Ohio colleges presently require that any student enrolling in a four-year program must have at least one credit in the fine arts.

<b>198 Art I (9, 10, 11, 12)</b>	<b>Credit: .5</b>
Prerequisites: none	Length: Semester
Estimated fees: \$7.00	

Art I is a studio course designed around the elements and principles of art. A focus of the course is line, value, and texture. Students gain a foundation for higher level art classes through a variety of projects and media. Emphasis is placed on drawing. Students will also be exposed to the basics of ceramics.

<b>298 Art II (9, 10, 11, 12)</b>	<b>Credit: .5</b>
Prerequisites: Art I	Length: Semester
Estimated fees: \$7.00	

Art II is a continuation of Art I. Students continue to explore the elements and principles of design, using a variety of mediums. A focus of the course is color and shape. Painting as a medium is introduced. (*Can be taken the same year as Art I.*)

<b>398 Art III (10, 11, 12)</b>	<b>Credit: 1</b>
Prerequisites: Art I and Art II and instructor approval	Length: Full year
Estimated fees: \$20.00	

Art III is a studio course designed to explore various media such as: ceramics, painting, printing and sculpture. Sketchbooks are an important element of the course in preparation for potential college art studies. A wide variety of media and subject matter will be explored. Several prominent artists will be covered.

<b>498 Art IV (11, 12)</b>	<b>Credit: 1</b>
Prerequisites: Art I, Art II and Art III and Instructor Approval	Length: Full year
Estimated fees: \$20.00	

Art IV is an advanced studio course that focuses on developing refined art skills. Students will maintain an in-depth sketchbook that focuses on drawing exercise with the express purpose of preparing drawing skills for future art studies. A variety of media and subject matter will be explored.

<b>598 Art V (12)</b>	<b>Credit: 1</b>
Prerequisites: Art I - IV & Instructor Approval	Length: Full Year
Estimated fees: \$20.00	

Art V is a year-long class that focuses on the deeper development of art skills. Students will be creating a portfolio during the course. Projects will focus on a variety of artists and media. The course will be a combination of teacher and student-generated projects with the goal of preparing students for art after high school. A sketchbook will be used and maintained throughout the course. Students must have taken Art I - IV to take Art V. Must take Art I & II freshman year to make it to Art V.

<b>101 Ceramics I (10, 11, 12)</b>	<b>Credit: .5</b>
Prerequisites: Art I and Art II	Length: Semester
Estimated fees: \$20.00	

Ceramics I is a studio course to introduce working in clay. Students concentrate on hand building and modeling techniques. Form and function are emphasized. Students also learn about glazing and firing ceramics.

<b>102 Ceramics II (10, 11, 12)</b>	<b>Credit: .5</b>
Prerequisites: Art I, Art II, and Ceramics I	Length: Semester
Estimated fees: \$20.00	

Ceramics II is a studio course designed as a continuation of Ceramics I. Students continue hand building, modeling techniques, and begin throwing clay on the potter's wheel.

<b>499 Art Appreciation &amp; History (11, 12)</b>	<b>Credit: 1</b>
Prerequisites: none	Offered depending on enrollment
Estimated fees: \$20.00	Length: Full year

Art History is a course designed to show the development of art throughout history. Prehistoric art through current trends will be studied. A variety of project-based techniques are utilized including occasional studio projects assigned to illustrate concepts. Students will learn various art criticism processes and will develop both written and verbal criticism skills. This course would be an appropriate selection for **college bound** students.

<b>493 High School Concert Band Only (9, 10)</b>	<b>Credit: 1</b>
Prerequisites: Approval by Director	Length: Full year

In this course, students will learn to be proficient on their respective instruments by learning instrumental and rehearsal technique, scales, simple music theory, musical terms, and music history all in the creative context of preparing for and performing musical selections in public performances. Students will also have the opportunity to perform in the Solo and Ensemble Contest. Students are selected for the band by the band director according to 1) the total size of the concert and symphonic bands 2) the playing ability of the student 3) the number of players in the instrument section in which the student plays and 4) the desire, work ethic, motivation and maturity of the student.

<b>693 High School Concert Band and Marching Band (9, 10)</b>	<b>Credit: 1.25</b>
Prerequisites: Approval by Director	Length: Full year

In this course, students will learn to be proficient on their respective instruments by learning instrumental and rehearsal technique, scales, simple music theory, musical terms, and music history all in the creative context of preparing for and performing musical selections in public performances. Students will also have the opportunity to perform in the Solo and Ensemble Contest. Students are selected for the band by the

band director according to 1) the total size of the concert and symphonic bands 2) the playing ability of the student 3) the number of players in the instrument section in which the student plays and 4) the desire, work ethic, motivation and maturity of the student. This group of students performs at football games, band shows, parades, school and community events and on Memorial Day. Summer practices begin in late July or early August with a tentative schedule issued in mid-April. Once school begins, practices are held Monday 6-8:30pm, and Wednesday and Thursday after school lasting until 4:30 through the duration of football season. Students must attend all performances, including all football games and about five additional weekend performances, unless excused by the band director. (See Band Handbook)

**494 High School Symphonic Band Only (9, 10, 11, 12)**

**Credit: 1**

Prerequisites: Approval by Director

Length: Full year

This group is the senior of the two High School Bands and is primarily composed of 11<sup>th</sup> and 12<sup>th</sup> graders although an exceptionally qualified 9 or 10<sup>th</sup> grader may be placed in this group based on the following criteria. Students are selected for the band by the band director according to 1) the total size of the concert and symphonic bands 2) the playing ability of the student 3) the number of players in the instrument section in which the student plays and 4) the desire, work ethic, motivation and maturity of the student. In this course, students will learn to be proficient on their respective instruments by learning instrumental and rehearsal technique, scales, simple music theory, musical terms, and music history all in the creative context of preparing for and performing musical selections in public performances. Students will also have the opportunity to perform in the Solo and Ensemble Contest.

**694 High School Symphonic Band & Marching Band (9, 10, 11, 12)**

**Credit: 1.25**

Prerequisites: Approval by Director

Length: Full year

This group is the senior of the two High School Bands and is primarily composed of 11<sup>th</sup> and 12<sup>th</sup> graders although an exceptionally qualified 9 or 10<sup>th</sup> grader may be placed in this group based on the following criteria. Students are selected for the band by the band director according to 1) the total size of the concert and symphonic bands 2) the playing ability of the student 3) the number of players in the instrument section in which the student plays and 4) the desire, work ethic, motivation and maturity of the student. In this course, students will learn to be proficient on their respective instruments by learning instrumental and rehearsal technique, scales, simple music theory, musical terms, and music history all in the creative context of preparing for and performing musical selections in public performances. Students will also have the opportunity to perform in the Solo and Ensemble Contest. This group of students performs at football games, band shows, parades, school and community events and on Memorial Day. Summer practices begin in late July or early August with a tentative schedule issued in mid-April. Once school begins, practices are held Monday 6-8:30 pm and Wednesday and Thursday after school lasting until 4:30 through the duration of football season. Students must attend all performances, including all football games and about five additional weekend performances, unless excused by the band director. (See Band Handbook)

**Marching Band (9, 10, 11, 12)**

Prerequisites: Must be in Concert or Symphonic Band or formerly in these groups and currently in post-secondary, career center, or work study program with the approval of the director.

Length: Aug-Nov

This group of students performs at football games, band shows, parades, school and community events and on Memorial Day. Summer practices begin in late July or early August with a tentative schedule issued in mid-April. Once school begins, practices are held Monday-Thursday lasting until 4:30 through the duration of football season. Students must attend all performances, including all football games and about five additional weekend performances, unless excused by the band director. (See Band Handbook)

**492 Intro to Band (9, 10, 11, 12)**

Prerequisites: access to an instrument

**Credit 1**

Length: Full year

The purpose of this course is to provide students with little or no band experience with Basic Instrumental Band skills of note reading, rhythmic understanding, and general music reading as well as skills of playing an instrument from early beginner to beginner intermediate. Students will have the opportunity to explore an instrument in detail.

Students that may have a renewed interest in band after limited elementary band experience or that have never been in the band will find this class of interest. After successful completion of this class students will have the opportunity to possibly continue with the full High School Bands. This class is also suitable for experienced band students that wish to learn a secondary instrument for use in High School, or students considering future Music Education study at the college level.

**491 Jazz Band: (9, 10, 11, 12)**

Prerequisites: Concert Band

**Credit: 1**

Length: Full Year

This class will prepare students to perform as a part of the West Holmes Jazz Band. No prior experience in jazz is necessary but students are required to be in or have been in a concert band class previously. Typical instrumentation is saxophone, trumpet, trombone, drums, bass guitar, electric guitar, piano, and clarinet. This class will serve as an introduction to the rich history of jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the student will gain an understanding and appreciation for this art form. Emphasis will be placed on rudimentary improvisational skills, a sense of personal accountability, and musicianship as well as performance techniques. Members will study and perform different forms of music including jazz, funk, and blues. Public and outside of school day performances are a requirement of the course.

**501 Modern Rock Band (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

Modern Rock Band will introduce the skills necessary to perform on guitar, electric bass, keyboard, drums, and vocals in a modern band ensemble. This course is intended for students with no formal training on these instruments as fundamental techniques will be learned in a nontraditional format. Students will be exposed to history, theory, and performance practices of genres of the past 50 years as to develop personal opinions and musical taste. To enroll in this class, it is not necessary for a student to have any prior formal music experience or training. Students do not have to provide instruments for this course, but may choose to bring in their own instruments if they wish.

**495 Music Technology (9, 10, 11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

This course is designed for students interested in music and the field of music technology. It provides experience with industry tools for composition, sound recording, mixing, and live sound and lighting. Students will learn to use computer software and hardware for creating, amplifying, and altering music, while exploring the history and cultural impact of music in the United States.

**502 Music History/Appreciation: (11, 12)**

Prerequisites: none

**Credit: .5**

Offered: 1st semester

Length: Semester

In this course, students will learn the history of music, musical styles and its parallels with the history of art and with the culture of the time period. The course will bring a greater understanding of music, the different time periods and styles of music, composers, history, and culture. By the end of the class, students will be able to identify songs and composers by listening to them. *This course is offered alternate years with Music History/Appreciation #502 and will be available in the 2026-2027 school year.*

**503 Twentieth Century Music History/Appreciation: (11, 12)**

Prerequisites: None

**Credit: .5**

Offered: 1st semester

Length: Semester

In this course, students will learn the history of music, musical styles and its parallels with the history of art and with the culture of the Twentieth Century. The course will bring a greater understanding of music and its influences throughout the last century. Emphasis will be on listening to many types of music, the different styles of music, composers, history, and the culture of the time. Styles to be covered include blues, jazz, rock, Broadway, country, hip-hop, alternative and pop music. By the end of the class, students will be able to identify different styles of music, performers and social influences. *This course is offered alternate years with Twentieth Century Music History/Appreciation #503 and will be available this school year.*

**506 Music Theory (11, 12)****Credit: .5**

Prerequisites: Ability to read Music

Length: Semester

Offered: 2<sup>nd</sup> semester

In this course, students will learn the basic structure of music and how it has changed through the years. Some course objectives include being able to read and understand music and musical symbols as well as many different clefs, and to understand the structure of music including chords and chord progressions as well as major and minor scales. Emphasis will also be placed on sight singing and identifying intervals and simple piano skills. This course is designed for those students who have an interest in music and may wish to continue with music after high school, but everyone with an interest is encouraged to enroll.

**PS502 CCP Music History/Exploring Music: Bach to Rock****Credit: 1**

Program Prerequisites: Acceptance into Akron University's CCP &amp; 16 Reading ACT score or placement test

Length: 1st Semester

Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This course covers material presented both historically ("From Bach to Rock") and by genre ("The Blues", "The Beatles," etc.). Students write three short papers and take a midterm and final exam.

**496 Concert Choir (9, 10, 11, 12)****Credit: 1**

Prerequisites: None

Length: Full year

This choir is primarily a performance group that is open to all students who wish to participate in vocal music. The concert choir performs a wide variety of music from the 15th and 16<sup>th</sup> century church music to present day popular music. Good tonal production, a choral blend, and basic musicianship will be taught in all kinds of music. The concert choir performs at least three public concerts during the year, which the members must attend unless excused by the choir director.

**497 Chamber Choir (9, 10, 11, 12)****Credit: 1**

Prerequisites: By audition

Length: Full year

Chamber choir is a select group designed for students who are experienced and advanced in choral music. The students must be able to sight read well and have a suitable singing voice. The chamber choir performs a wide variety of sacred, art, and popular music. In addition to a number of public concerts each year, the chamber choir performs for many clubs and organizations throughout the Holmes County area. The members must attend unless excused by the choir director. Other requirements are participating in the solo ensemble contest.

**500 Select Women's Chorus (9, 10, 11, 12)**

Prerequisites: By audition

**Credit: 1**

Length: Full year

This group is open to female students by selection. The chorus will focus on vocal technique, style, expression and performance by singing in 2-4 parts. Students selected to participate in this group will perform in concerts throughout the year.

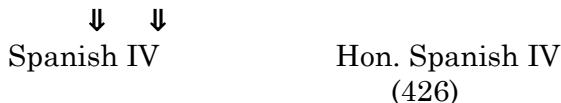
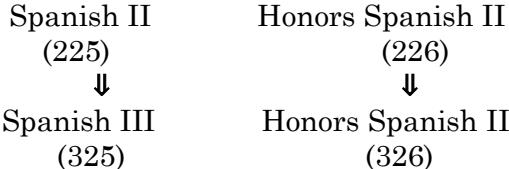
**WORLD LANGUAGE**

The study of a world language can be valuable to those students preparing for college, as well as those who want to enrich their high school education. Learning a world language can be useful for travel, careers and personal pleasure. Students will acquire skills in reading, writing, speaking and listening. They will also explore culture through the study of music, literature, art, history, and cuisine. Students will compare and contrast the culture to their own, enabling them to develop a better understanding of the world, as well as a deeper understanding of their own way of life.

It is strongly recommended that a student have at least a "C" average in English before attempting the study of a world language. It is also suggested that college-bound students' study **at least** two years of the same language. Although it is not necessary to be a college-bound student in order to enroll in a world language, classes are taught at the college preparatory level.

**Honors** world language courses are designed for the student who is recommended for an intensive study of world language. Some students are recommended for this option because of a high interest in world language, others so that they may test out of college world language requirements.

**Spanish** is the official language of 21 countries and is the second most spoken language in the United States. In fact, many of our own traditions can be traced back to our Hispanic heritage. It is very beneficial in the fields of business, tourism, journalism, education, medicine, and government.

**Spanish Course Sequence****Spanish I (125)**

**125 Spanish I (9, 10, 11, 12)**

Prerequisites: C average in English

**Credit: 1**

Length: Full year

This course is a basic introduction into the structure and use of the Spanish language. Emphasis is placed on all four language skills: reading, writing, speaking and listening. Present day Hispanic countries and their cultures are introduced at this level. This course is taught at the College Preparatory level.

**225 Spanish II (10, 11, 12)**

Prerequisites: Spanish I and a "C" average or above in Spanish I Length: Full year

**Credit: 1**

Grammar and vocabulary are reviewed and expanded at this level. All four language skills are practiced with greater emphasis placed on proficiency in each of the areas. Hispanic countries and their cultures are further studied. Spanish II is taught at the College Preparatory level.

**325 Spanish III (11, 12)**

Prerequisites: Spanish I and II and a "C" average or above in Spanish II Length: Full year

**Credit: 1**

This course is designed to make use of the skills learned in Spanish I and II. Grammar and vocabulary are reviewed and expanded through varied readings and selected literature. The study of Hispanic countries, cultures and aspects of history are also explored.

Honors courses are for those students who have been recommended and who would like to test out of college world language requirements or who plan a major in Spanish at the college level. These students demonstrate intrinsic motivation and good skills in the Spanish language. In addition, Spanish II Honors students may NOT drop to Spanish II without prior approval of the teacher. Honors students must continue in the honors program.

**226 Honors Spanish II (10, 11, 12)**

Prerequisites: Prior approval from the Spanish Dept.

**Credit: 1**

Length: Full Year

**326 Honors Spanish III (11, 12)**

Prerequisites: Prior approval from the Spanish Dept.

**Credit: 1**

Length: Full Year

**426 Honors Spanish IV (12)**

Prerequisites: Prior approval from the Spanish Dept.

**Credit: 1**

Length: Full year

**525 Hispanic Heritage**

Prerequisites: STAMP Test

**Credit: 1**

Length: Full year

This Heritage Learners Spanish class is for students who grew up hearing or speaking Spanish at home, even if they haven't had formal classes before. In this class, we build on the Spanish students already know by practicing reading, writing, and expanding their vocabulary. We also learn cultural topics connected to

experiences as a heritage speaker. The goal is to help the students feel more confident using Spanish in school, at home, and in their community.

## **HEALTH/PHYSICAL EDUCATION**

Two semesters of Physical Education (.5 Credits) are required for all high school students. High school students, who have participated in interscholastic athletics, marching band, or cheerleading at an accredited high school for at least two full seasons, will not be required to complete the .5 Credit PE requirement. The student is required to complete .5 Credits in another course.

Class sizes are limited for all physical education classes. Priority goes to students who need to fulfill their physical education requirement or have not been previously enrolled in a course.

### **190 Physical Education (9, 10, 11, 12)**

Prerequisites: none

**Credit: .25**

Length: Semester

Activities in this course include carry-over sports, physical conditioning, movement, indoor and outdoor team sports, and individual sports. Different activities are offered under the titles above, giving each student the opportunity to participate in both team and individual recreational activities. This course is game oriented.

### **191 Yoga, Fun and Fitness (9, 10, 11, 12)**

Prerequisites: none

**Credit: .25**

Length: Semester

This course is for anyone wanting to learn about yoga and other fitness activities that can carry on into adulthood. These activities do not require gym memberships or extensive equipment. This course is appropriate for all fitness levels and will be focused on individual improvement.

### **382 Advanced Physical Education (9, 10, 11, 12)**

#### **Physical Fitness and Weight Training**

Prerequisites: none

**Credit: .25**

Length: Semester

This course will consist of weightlifting, agility, and competitive techniques in strength development. When not using the weight room, other conditioning activities will be instructed. Seniors needing credit are given enrollment preference the first semester with teacher approval.

### **382G Girls' Weight Training (9, 10, 11, 12)**

Prerequisites: none

**Credit: .25**

Length: Semester

This course is for any skill level. You will learn about how to use the weights, how to achieve your personal physical goals, and different ways of working out. You will do a variety of workouts with weights to improve strength and muscle tone. There will be activities to improve flexibility and coordination, along with core strengthening workouts.

**383 Weight Training for Athletes (9, 10, 11, 12)      Credit: .25**

Prerequisite: Must participate in a school sponsored sport

Length: 1<sup>st</sup> Semester

This course is designed for high school athletes and will consist of weightlifting, agility, and competitive techniques in strength development. Athletes will follow a structured program developed by his/her coach or the instructor of the course. This program will help athletes improve muscular strength, agility, flexibility, speed, quickness, vertical jump, self-discipline, mental toughness, and work ethic. Students may choose this class to lift during season and/or off season.

**384 Weight Training for Athletes (9, 10, 11, 12)****Credit: .25**

Prerequisite: Must participate in a school sponsored sport

Length: 2<sup>nd</sup> Semester

This course is designed for high school athletes and will consist of weightlifting, agility, and competitive techniques in strength development. Athletes will follow a structured program developed by his/her coach or the instructor of the course. This program will help athletes improve muscular strength, agility, flexibility, speed, quickness, vertical jump, self-discipline, mental toughness, and work ethic.

Students may choose this class to lift during season and/or off season.

**388 Health (9, 10, 11, 12)****Credit: .5**

Prerequisites: none

Length: Semester

Health is a comprehensive course dealing with the essential aspects of community and personal health, including physical, mental, emotional and relational concepts. Some of the topics covered are performance enhancing drugs, human sexuality, legal and illegal drugs, alcohol, tobacco, depression and suicide prevention, CVD, cancer, and diabetes prevention, health choices and behavior, nutrition, healthy eating habits and exercise.

## **MATHEMATICS**

### **Essential Math**

Algebra I  
Geometry  
Algebra II  
Financial Algebra or  
Calculus  
FST

### **Standard CP**

CP Algebra I  
CP Geometry  
CP Algebra II  
Pre-Calculus or FST  
or CCP

### **Accelerated CP**

CP Geometry  
CP Algebra II  
Pre-calculus  
Calculus or AP  
or CCP

#### **142 Algebra I (9)**

Prerequisites: none

**Credit: 1**

Length: Full year

Algebra I is the foundation for high school mathematics courses in which students gain an overall appreciation of mathematics as a discipline. This course is consistent with the Common Core State Standards (CCSS) and designed to prepare students for Geometry. Students will explore operations with real numbers, writing and solving linear equations and inequalities, relations and functions, systems of linear equations and inequalities, exponents, polynomials and factoring, and quadratic functions and equations. Real world applications are presented within the course content.

#### **141 CP Algebra I (9)**

Prerequisites: Math 8 with a “B” or higher is required

**Credit: 1**

Length: Full year

CP Algebra I is designed to be a rigorous college preparatory course in which students gain an overall appreciation of mathematics as a discipline. This course is consistent with the Common Core State Standards (CCSS) and designed to prepare students for CP Geometry. Students will explore operations with real numbers, writing and solving linear equations and inequalities, relations and functions, systems of linear equations and inequalities, exponents, polynomials and factoring, and quadratic functions and equations. Real world applications are presented within the course content.

#### **143 Geometry (10, 11)**

Prerequisites: Algebra I

**Credit: 1**

Length: Full year

In this course, students will study the concepts and applications of plane, solid, and coordinate Geometry. This course is consistent with the Common Core State Standards and covers topics including points, lines, planes, definitions, postulates, theorems, formal and informal proofs, angles, polygons, congruence, similarity, trigonometry, surface area, volume, coordinate geometry, circles, and transformations.

**241 CP Geometry (9,10)**

Prerequisites: CP Alg. I with a “B” &amp; teacher recommendation

**Credit: 1**

Length: Full year

In this course, students will study the concepts and applications of plane, solid, and coordinate Geometry. CP Geometry is designed to be a rigorous college preparatory course. This course is consistent with the Common Core State Standards and covers topics include points, lines, planes, definitions, postulates, theorems, formal and informal proofs, angles, polygons, congruence, similarity, trigonometry, surface area, volume, coordinate geometry, circles, and transformations.

**144 Algebra II (11,12)**

Prerequisites: Geometry

**Credit: 1**

Length: Full year

The topics from Algebra I will be expanded and additional topics will be explored and discovered. Topics covered include: number sense, real numbers and algebraic expressions, solving equations and inequalities, polynomials, graphing functions, slope and systems of linear equations, probability and statistics, and trigonometry. All topics covered in this course are aligned to the Common Core Standards for Algebra II.

**341 CP Algebra II (9,10,11)**

Prerequisites: CP Geometry with a “B” and teacher’s recommendation.

**Credit: 1**

Length: Full year

This is a college preparatory course with more depth covered in each topic. Students will study the concepts, manipulations, and application of abstract algebraic expressions. The topics from Algebra I will be expanded and additional topics will be explored and discovered. Additional emphasis will be placed on linear functions & systems, quadratic functions & equations, polynomial functions, rational functions, rational exponents & radical functions, and exponents & logarithmic functions.

**444 Financial Algebra (12)**

Prerequisites: Algebra II

**Credit: 1**

Length: Full year

This is a senior level course designed for fulfilling the math graduation requirement by completing the *Essential Math* track. The emphasis of this course is on the mathematical components of the financial world; it consists of an applications-based learning approach incorporating Algebra 1, Algebra 2 topics. By combining those topics with practical business and personal finance applications, this course provides students with an engaging, meaningful learning experience. Topics covered include taxes, checking & savings accounts, budgeting, investing, credit, and insurance.

**440 Statistics (11, 12)**  
Prerequisites: Algebra 2

**Credit: 1**  
Length: Full year

This course introduces students to the fundamentals of data analysis, probability, and statistical reasoning through real-world contexts and investigations. Students will learn how to collect, organize, and interpret data, create and analyze graphs, and use statistical models to draw meaningful conclusions. Emphasis is placed on critical thinking, technology use, and applying statistics to everyday decision-making in fields such as science, business, and social studies.

**441 Pre-Calculus (11, 12)**  
Prerequisites: CP Algebra II with a “B” or higher and teacher’s recommendation  
Length: Full year

This is a college preparatory course. The emphasis of this course is on the skills needed to be successful in the study of Calculus. Topics covered will include functions, logarithms, exponential functions, polynomials, sequences and series, analytical geometry, trigonometry, matrices, and basic limits. All topics covered in this course are aligned to the Fourth Course Common Core Standards where applicable.

**443 Calculus (12)**  
Prerequisites: Pre-Calculus with a “B” or higher and teacher’s recommendation  
Length: Full year

This course is based on the AP calculus syllabus. Topics covered include functions, graphs, limits, continuity, derivatives, extreme function values, techniques of graphing, antiderivatives, integration and applications of each topic.

**PS341 CCP Algebra for Calculus**  
Prerequisites: Acceptance into Akron University’s College Credit Plus Program. ACT Math score of at least 21  
Length: 1st Semester

Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

Students will study the following areas in this course: Real numbers, equations and inequalities, linear and quadratic functions. Exponential and logarithmic functions. Systems of equations, matrices, determinants. Permutations and combinations.

**PS441 CCP Precalculus Mathematics****Credit: 1**

Prerequisites: Acceptance into Akron University's College Credit Plus Program. ACT Math score of at least 24  
Length: 2nd Semester  
Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

Students will study the following areas in this course: Functions, polynomial functions, complex numbers, exponential and logarithmic functions, systems of equations, trigonometric functions, mathematical inductions, sequences, and binomial theorem.

**PSA442 CCP Calculus I****Credit: 1**

Prerequisites: Acceptance into Ashland University's College Credit Plus Program and completing HS or CCP Pre-Calculus.  
Length: 2nd Semester  
Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This is the first course in the Calculus sequence for science and math majors. The focus is on theory and techniques for limits, derivatives, antiderivatives and definite integrals, and their applications. Meets Core credit for math/logic.

**PSA443 CCP Calculus II****Credit: 1**

Prerequisites: Acceptance into Ashland University's College Credit Plus Program and completing CCP Calculus I.  
Length: 2nd Semester  
Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This is the second course in the Calculus sequence for science and math majors. The focus is on transcendental functions and their applications, techniques of integration, indeterminate forms and improper integrals, and an introduction to infinite sequences and series.

**442 AP Calculus (AB or BC) (12)****Credit: 1**

Prerequisites: Pre-Calculus with an "A" and teacher recommendation  
Fee: \$10.00 Workbook Fee  
Length: Full year

This course is based on the AP calculus syllabus. Options may include AP Calculus AB or AP Calculus BC. Topics covered include functions, graphs, limits, continuity, derivatives, extreme function values, techniques of graphing, antiderivatives, integration and applications of each topic. *It is required that AP students take the test at the culmination of the year. Students must pay \$85 for the test, but they will be reimbursed by the district if they score a 3 or above. Families with demonstrated financial need could be exempted from this fee. (See the Counseling office)*

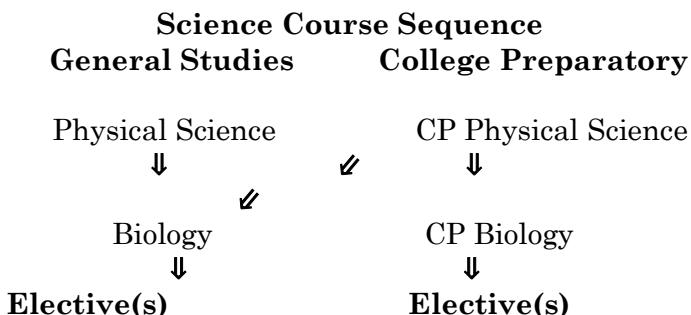
## **SCIENCE**

Listed below is a sequence of courses by graduation year leading to the completion of the necessary science credits.

- 9<sup>th</sup> Physical Science, CP Physical Science, CP Biology
- 10<sup>th</sup> Biology, CP Biology
- 11<sup>th</sup> Elective(s)
- 12<sup>th</sup> Elective(s)

### **11th & 12th Electives:**

- AP Biology
- Anatomy and Physiology I
- Anatomy and Physiology II
- Chemistry
- Environmental Science
- Organic & Biological Chemistry
- Geology
- Physics
- Astronomy
- Forensic Science
- CCP Earth Science



Electives

### **130 Physical Science (9)**

Prerequisites: none

**Credit: 1**

Length: Full year

Students will study a variety of topics including. Inclusion sections of this class are available.

**131 CP Physical Science (9)****Credit: 1**

Prerequisites: B average in 8<sup>th</sup> grade science is suggested & Teacher Recommendation  
Length: Full year

This course is more rigorous than Physical Science and is intended to provide a foundation for advanced science courses. Students will study a variety of topics including basic chemistry, heat, sound, light, energy, basic physics, and earth and space science.

**233 Biology (10, 11, 12)****Credit: 1**

Prerequisites: Physical Science  
Fee: \$10.00  
Length: Full year

Biology is the study of living organisms and the processes that sustain life. This course explores key topics such as ecology, cellular structure and function, energy flow, genetics and DNA, and an overview of plant and animal diversity. Students will gain a deeper understanding of how life operates at all levels, from microscopic cells to complex ecosystems.

**231 College Prep Biology (9, 10, 11, 12)****Credit: 1**

Prerequisites: B in Physical Science is suggested and Teacher Recommendation  
Fee: \$10.00  
Length: Full year

Biology is the scientific study of life. Through this course students will increase their understanding of the characteristics of living things, the diversity of living organisms, and the interactions of living organisms with the physical environment and each other.

**330 Chemistry (10, 11, 12)****Credit: 1**

Prerequisites: Physical Science, Algebra I or Geometry (grade of C or higher)  
Fee: \$15.00  
Length: Full year

This course offers a study of atomic theory, atomic structure, periodic table principles and chemical composition developed mainly through laboratory experiences.

**331 Organic and Biological Chemistry (11, 12)****Credit: 1**

Prerequisites: Chemistry with a final grade of A or B  
Length: Full year

This course would be appropriate for future science majors in the fields of medicine, health, pharmacy, geology, dentistry, nutrition, agriculture, and related fields. It involves the study of carbon and its compounds. Beginning with the study of hydrocarbons, students will progress through the study of aldehydes, alcohols, ketones, esters. Class time is centered around laboratory work. A college textbook is used for the class.

**332 Anatomy and Physiology I (10, 11, 12)**  
Prerequisites: Physical Science and Biology  
Fee: \$15.00

**Credit: 1**  
Length: Full year

This course is designed to provide an in-depth study of human anatomy and physiology. Dissections and lab activities are combined with a study of the information provided in the textbook for the course. This course will be helpful for students interested in pursuing careers that focus on the human body.

**333 Anatomy and Physiology II (11, 12)**  
Prerequisites: Anatomy and Physiology I  
Fee: \$15.00

**Credit: 1**  
Length: Full year

Anatomy and Physiology II provides a more in-depth study of scientific concepts discussed in Anatomy and Physiology I. The course will examine the terminology, structure, function and interdependency of systems within the human body. There will be a laboratory component which will include a mandatory dissection. The class is intended for students who are interested in pursuing a career in a health-related field.

**335 Geology (11, 12)**  
Prerequisites: Physical Science or CP Physical Science and Biology or CP Biology  
Length: Semester

This course offers a study of sedimentary, igneous, and metamorphic rocks, and how they are formed. Faults, folds, earthquakes, and other events that shape the earth will be studied. This course will also take a look at the fossil record and other formations to learn an understanding of earth's past.

**336 Astronomy (10, 11, 12)**  
Prerequisites: Physical Science or CP Physical Science and Biology or CP Biology  
Length: Semester

This course offers a study of the basic characteristics of the solar system, galaxies and the universe and how they are interconnected. This course will also look at how technology is being used and how it has advanced the understanding of astronomy.

**PS335 CCP Earth Science**  
Prerequisites: Acceptance into Akron University's College  
Credit Plus Program & 16 Reading ACT score or placement test  
Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.).

**Credit: 1**

Length: Semester

This course offers a study of the basic principles and investigative techniques in various fields of geology with emphasis on the relationship of geological processes to society.

**337 Forensic Science (10, 11, 12)****Credit: 1**

Prerequisites: Physical Science or CP Physical Science &amp; Biology or CP Biology

Length: Full Year

This course is designed to use authentic assessments with students working in teams to solve problems using scientific knowledge and reasoning. It involves all areas of Science including Biology, Anatomy, Chemistry, Physics and Earth Science with an emphasis on reasoning and critical thinking. In addition, students must incorporate the use of technology and communication skills. Areas of focus include toxicology, stages of decomposition, autopsy, entomology, forensic anthropology, the analysis of documents, trace evidence, fingerprints, DNA, serology, ballistics, and arson. The uses of deductive reasoning, and crime scene processing will also be put into practice.

**338 Environmental Science (10, 11, 12)****Credit:1**

Prerequisites: Physical Science or CP Physical Science and Biology or CP Biology

Length: Full year

This course involves a study of the transfer of matter and energy throughout the spheres of Earth. Topics include energy resources, agriculture, mining, forestry, marine/freshwater pollution and conservation, the atmosphere, greenhouse gasses, climate change, biological conservation of endangered species, population management studies, biomes and ecosystem health, human population growth, and waste management. The course focuses on methods to enable sustainability on our planet.

**430 Physics (10, 11, 12)****Credit: 1**

Fee: \$10.00

Length: Full year

Prerequisites: Physical Science or CP Physical Science or CP Biology, and concurrently taking Algebra II or higher (with a final grade in Geometry of a B or higher.)

This course is designed for students that have an interest in pursuing a career in science, technology, health related, or engineering. This is a lab-based course in which students will explore such topics as: kinematics, forces in one and two dimensions, Newton's Laws, special relativity, projectile motion, terminal velocity, static and dynamic equilibrium, work, power, and energy.

**431 AP Biology (11, 12)****Credit: 1**

Prerequisites: Physical Science, CP Biology, Chemistry

Length: Full year

AP Biology is a first-year college-level course that provides students with an overview of the field of biology. Some colleges and universities award credit to students who successfully complete this course and do well on the AP Biology Exam. *It is required that AP students take the test at the culmination of the year. Students must pay \$85 for the test, but they will be reimbursed by the district if they score a 3 or above. Families with demonstrated financial need could be exempted from this fee. (See the Counseling office)*

## **SOCIAL STUDIES**

**Listed below is the sequence of the three required courses leading to the completion of the Social Studies credits for graduation:**

9<sup>th</sup> - World History, CP World History

10<sup>th</sup> - U.S. History, CP U.S. History

11<sup>th</sup> or 12<sup>th</sup> - Government, CCP Government and Politics in the U.S.

### **Available Social Studies Electives:**

OMUN

World Cultures

Psychology

Economics

World War Two

Vietnam War Era America

CCP Government and Politics in the U.S.

CCP Empires of the Ancient World

CCP US History since 1877

### **194 World History (9)**

Prerequisites: none

**Credit: 1**

Length: Full year

This course is designed to provide a comprehensive overview of modern world history from 1750 to the present. General concepts that will be covered are basic geography skills, historical thinking skills, economic systems, and different forms of government. Specific historic time periods that will be covered are the Enlightenment, French Revolution, Industrialization, Imperialism, World War I and II, and the Cold War. The course will also focus on other continuing issues like worldwide independence movements, genocide, contemporary world conflicts, and will conclude with a discussion of globalization and how the world has become more interdependent.

### **193 CP World History (9)**

Prerequisites: B average or higher in 8th grade History is suggested and Teacher Recommendation

**Credit: 1**

Length: Full year

This course is designed to provide a comprehensive overview of modern world history from 1750 to the present. Students will learn historical thinking skills, various economic systems and government systems as well as historical time periods from the Enlightenment, French Revolution, Industrialization, Imperialism, WWI and WWII and the Cold War. The course will also focus on other continuing issues like worldwide independence movements, genocide, contemporary world conflicts, and will conclude with a discussion of globalization and how the world has become more interdependent. Students will investigate complex primary & secondary sources, perform higher level historical reasoning, and historical research with the use of evidence to defend a written argument. This course will help prepare students with the higher-level skills needed to be successful in CP U.S. History and college.

**296 U.S. History (10)** **Credit: 1**  
Prerequisites: none Length: Full year

This year-long course will complete the history of the United States from 1877 to the present.

**295 CP U.S. History (10)** **Credit: 1**  
Prerequisites: World History with a B or higher is suggested and Teacher  
Recommendation Length: Full year

In this year-long course, students will study US history from 1877 to the present. Students will develop skills for success in college including the following: primary & secondary source analysis, historical research with the use of evidence to defend a written argument, and complex level questioning to investigate the past and its effects on the future.

**490 American Government (11, 12)** **Credit: 1**  
Prerequisites: none Length: Full year

Each student is urged to take an active interest in local, state, and national politics, and to become involved in the political process. Emphasis is placed on a study of comparative governments, citizenship, civil rights, voting and political parties, Congress, the Supreme Court, and the office and powers of the President.

**480 CP American Government (11,12)** **Credit: 1**  
Prerequisites: U.S. History with a B or higher is suggested and Teacher  
Recommendation Length: Full year

Students will study the foundations of the US government, the impact of political parties, the three branches of government at the national and state level, and state/local government. Students will be challenged beyond the curriculum of the traditional American Government class with additional expectations including remaining up to date and informed on regional, national, and international politics for class discussion and debate. In addition, a greater emphasis will be placed on understanding and analysis of current events and primary documents. Advanced reading, writing, and debate skills will help ensure student success.

**196 Ohio Model United Nations (OMUN) (9, 10, 11, 12) (Elective)** **Credit: .5**  
Prerequisites: Mrs. Heffelfinger's signature is required Length: 1<sup>st</sup> Semester only

In this semester long college prep class students will learn about cultures, governments and people of nations throughout the world, use research skills, written and oral communication skills, develop critical thinking skills, problem solving skills and evaluative skills, debate current global issues and world problems and practice and use leadership skills in a real life global simulation of the United Nations, and understand the need for peace and conflict resolution throughout the world. In December students will participate in a three-day global education simulation experience in Columbus Ohio, where they will showcase their talents,

writing, speaking and debating skills. Cost of the trip will be approximately \$250-\$300. This trip is mandatory.

**297 World Cultures (9, 10, 11, 12) (Elective)**

Prerequisites: none

**Credit: 1**

Length: 2<sup>nd</sup> Semester offering only

In this semester long course students will investigate and explore the world around them to gain a better understanding and appreciation of the culturally diverse world they live in. This course will explore world geography, cultural celebrations, habitats, art, music, world religions, as well as modern world issues. Through this study of the world around them, students will become more aware of the importance of their role as global citizens.

**487 Psychology (11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

This course looks at the human mind and attempts to answer the questions of why people act the way they do. This introductory course focuses on individual mental growth and development. Topics include personality, human mental development, the mind, intelligence, learning, reasoning and major psychological theories. This course is recommended for those students planning to attend college.

**488 Economics (11, 12)      Credit: .5**

Prerequisites: none

Length: Semester

In this course you will be introduced to the fundamentals of both economics and financial literacy. There will be a wide range of topics covered, including the different economic systems, the factors that drive an economy, identifying trends and predictions, strategies of governments and the consequences, economic problems and strategies to fix them, roles of businesses and decision making, and personal financial stability. This course is recommended for those students planning to attend college.

**489W World War Two (11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

In this course, we will take a multidisciplinary approach to World War II, applying the insights of cultural, military, environmental, urban, and social historians to understand the permanent stamp WWII has left on the world. In addition to discussing American grand strategy and the course of the war in both Europe and the Pacific, the class will consider topics such as the United States' mobilization for war; roles of women and minority groups in the war effort; the use of submarine and strategic air warfare; and the use of nuclear weapons against Japan. We will also be hearing the voices of the participants through memoirs, interviews, and other oral histories.

**489V Vietnam War Era America (11, 12)**

Prerequisites: none

**Credit: .5**

Length: Semester

The focus of this course will be life in America during the Vietnam War years and the Vietnam War experience. It will begin with the post-war years beginning in the late 1940's and end with the fall of Saigon in the mid 1970's. Students will study American life throughout these decades, societal changes, civil unrest, pop culture, government and politics, and the Vietnam War itself and its overall impact. The format of the class will include traditional lectures and notes, with the addition of multimedia, and anticipated real life testimony from people who lived during this time. This class is recommended for anyone interested in the topic.

**PS490 CCP Government and Politics in the US (11,12)****Credit: 1**

Prerequisites: Acceptance into Akron University's College Credit Plus Program &amp; 16 Reading ACT score or placement test

Length: Semester

Students are responsible for completing all requirements for acceptance into CCP (intent letter, application to college, etc.)

This class will count towards the graduation government requirement.

This course will examine the American political system with emphasis on fundamental principles, ideas, institutions and policy/processes of modern government. This course will feature college-style lectures, discussions and debates, source analyses, and research essays.

**PS298 CCP Empires of the Ancient World****Credit: 1**

Prerequisites: Acceptance into Akron University's College Credit Plus Program &amp; 16 Reading ACT score or placement test

Length: Semester

This course explores global encounters and parallel development among ancient societies, and the changes that these processes bequeathed to the modern world. It focuses on major themes that show how connections between the world's regions formed the basis of the increasingly globalizing economies and societies of the last five hundred years. Students will be exposed to various cultural traditions across ancient Afro-Eurasia and improve their analytical skills through the interpretation of primary texts in their cultural and historical context.

**PS297 CCP U.S. History since 1877****Credit: 1**

Prerequisites: Acceptance into Akron University's College Credit Plus Program &amp; 16 Reading ACT score or placement test

Length: Semester

Survey of United States history from the end of Federal Reconstruction to the present.

## **SPECIAL EDUCATION**

Students with an Individual Education Plan have a variety of courses available to choose from in meeting their graduation requirements. Selections include regular, vocational, inclusion and adjusted curriculum courses. The student's Individual Education Plan (IEP) will provide direction as parents, students, teachers and counselors work together to determine the appropriate course selections.

### **Regular Courses**

See the course descriptions listed in the preceding sections of the *Course Selection Guide*.

### **Vocational Courses**

See the course descriptions listed in the following sections of the *Course Selection Guide*.

### **Inclusion Courses**

See the course description for the following classes: English 9, English 10, English 11, English 12, Physical Science, Biology, Environmental Science, World History, U.S. History, and Government. In inclusion classes, a regular education teacher and a special education teacher are available to teach and support all students. Write the word "Inclusion" next to the course listing on the student registration form to indicate selection of an inclusion class.

### **Adjusted Curriculum Courses**

Adjusted curriculum courses are available only to those students that have a current IEP and teacher recommendation.

700	Resource Math 9	1 Credit	full year
701	Resource Math 10	1 Credit	full year
702	Resource Math 11 and 12	1 Credit	full year
704	Functional Math	1 Credit	full year
714	Functional Science	1 Credit	full year
721	Resource English 9	1 Credit	full year
722	Resource English 10	1 Credit	full year
723	Resource English 11	1 Credit	full year
724	Resource English 12	1 Credit	full year
725	Functional English	1 Credit	full year
736	Functional Social Studies	.5 Credit	1 <sup>st</sup> semester
737	Functional Social Studies	.5 Credit	2 <sup>nd</sup> semester
751	Reading	1 Credit	full year
788	Functional Health	.5 Credit	TBD
790	Functional Art	.5 Credit	full year
905	Life Skills (\$10.00 fee)	.625	1 <sup>st</sup> semester
910	Support Study Hall	no credit	1 <sup>st</sup> semester
911	Support Study Hall	no credit	2 <sup>nd</sup> semester

## **WORK STUDY PROGRAM**

The work study program is designed to help students with adjusted curriculum enter into the world of work. The work study coordinator works with teachers, students, parents, and potential employers in helping these students make the transition from the classroom to the job station. Students receive a grade and credit toward graduation for this work-related experience.

### **904 Work Study/Transition On-The-Job**

Prerequisites: Individualized Education Plan Students

**120 Clock Hours = 1 Credit**

Length: Full year

Students are placed in jobs according to individual interests and abilities, possibly working half school days and spending the rest of the day in class at their home school. This program covers the basic curriculum areas and satisfies the graduation requirements of the school.

## **STEM/PROJECT LEAD THE WAY**

### **339 Robotics (9, 10, 11, 12)**

Prerequisites: Teacher interview  
year

**Credit: 1**

Length: Full

Robotics is a class that fosters teamwork, critical thinking, project management, and communication skills required to prepare them to become the next generation of innovators and problem solvers. We will purposely build our robots to compete in this year's VEX Robotics Competition. Strong Math and science skills are a must. There is an outside component to this class. Students MUST attend the 6 competitions (usually on Saturdays) throughout the competition season (October-March).

### **831 Introduction to Engineering Design (9,10,11,12)**

Prerequisites: None

**Credit: 1**

Length: Full year

Through both individual and collaborative team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering design including material selection, human-centered design, manufacturability, ability to assemble and sustainability. Students develop skills in technical representation and documentation especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes using an additive manufacturing process.

Student-developed testing protocols drive decision-making and iterative design improvements.

## VOCATIONAL

FFA chapter members earn 1.125 credits. Non-chapter members earn 1 credit.

285 Agricultural and Industrial Power (10, 11, 12) webxam

Credit: 1.125

### **Agriculture or 1 Elective Credit**

Prerequisites: AFNR or Junior/Senior Status

Length: Full year (1 period)

Estimated fees: \$25.00 FFA dues and shop fee

Subject Code: 010210

Students will discover the vast world of agricultural mechanics, power, and related careers. Course of study includes welding, machinery operations, hydraulics systems, woodworking, engine operations, principles of concrete, and power systems. Open to all students. FFA membership and participation is encouraged but not required.

## AGRICULTURAL EDUCATION

180 Ag Food and Natural Resources (9-12) (AFNR) webxam

Credit: 1.125

Prerequisites: None

Length: Full year (1 period)

Estimated fees: \$20.00 FFA dues and shop fee

Subject Code: 010105

Students will discover the vast world of agricultural sciences and careers. Course of study includes agricultural careers, history of the FFA, parliamentary procedure, public speaking and leadership skills, record-keeping, introductory animal and crop sciences, and woodworking. FFA membership is required and students are encouraged to be active in the FFA organization and develop supervised agricultural experience projects.

280 Animal and Plant Science (10, 11, 12) webxam

**Credit: 1.125**

Prerequisites: Ag. Food and Natural Resources

Length: Full year (1 period)

Estimated fees: \$25.00 FFA dues and shop fee

Subject Code: 010125

Students further develop their knowledge of animal and plant sciences, as well as studying soil sciences, crop production, animal classification and body systems, fertilization and nutrition of plants, public speaking, aquaculture, and forestry. Students enhance their supervised agricultural experience projects and become more active members of the FFA chapter. FFA membership is required and students are encouraged to be active in the FFA organization and carry agriculturally related projects. Various other topics may be covered based on student interest and time.

**282 Science & Technology of Food (11, 12) webxam Credit: 1.125**

Prerequisites: Ag. Food and Natural Resources

Length: Full year (1 period)

Estimated fees: \$25.00 FFA dues and shop fee

Subject Code: 011010

Students will take a more detailed approach to applications in food processing, packaging, and development. Course of study will include food safety, nutrient content and chemical makeup of food, sanitation, quality assurance, government legislation and regulations, and careers in the food industry. Course of study also includes research and marketing of foods. Students have the opportunity to expand and enhance their supervised agricultural experience programs. FFA membership is required and students are encouraged to be active in the FFA organization and carry agriculturally related projects. Various other topics may be covered based on student interest and time.

**281 Business Management for Agricultural and Environmental Systems (11, 12) webxam****Credit: 1.125**

Prerequisites: Ag. Food and Natural Resources

Length: Full year (1 period)

Estimated fees: \$25.00 FFA dues and technology fee

Potential College Credit Plus Course

Subject Code: 010115

Students will take an in-depth look into leadership, business, speaking, and problem solving. Course of study includes agricultural sales, cooperatives, management skills, job interviewing and resume writing, computer skills, communications, marketing, speaking, leadership skill development, and problem solving. Students will develop a business and marketing plan as a part of the course. Students have the opportunity to expand and enhance their supervised agricultural experience projects. FFA membership is required and students are encouraged to be active in the FFA organization and carry agriculturally related projects. Various other topics may be covered based on student interest and time. Additional paperwork and deadlines will be required for acceptance into North Central State College for CCP credit.

**283 Livestock Selection, Nutrition and Management (11, 12) webxam****Credit: 1.125**

Prerequisites: Ag. Food and Natural Resources

Length: Full year (1 period)

Estimated fees: \$25.00 FFA dues and technology fee

Potential College Credit Plus Course

Subject Code: 010920

Students move beyond basic animal sciences to more in-depth study of nutrition, reproduction, genetics, and management practices. Course of study includes aquaculture, animal rights and welfare, animal husbandry, careers, and marketing practices for livestock. Course of study may also include history of the industry, food and feed development, facilities management, and selection of animals for breeding and exhibition purposes. Students have the opportunity to enhance their Agricultural experience projects. FFA membership is required and students are encouraged to be active in the FFA organization and carry agriculturally related

projects. Various other topics may be covered based on student interest and time. Additional paperwork and deadlines will be required for acceptance into North Central State College for CCP credit.

**284 A & E Capstone Agriculture (12)**

Prerequisites: 3 Years of Ag. Ed. Classes  
Estimated fees: \$25.00 FFA dues and shop fee  
Subject Code: 010190

**Credit: 2**

Length: Full year

Students choose an independent study area to further develop their studies and interest in agriculture. Students will be responsible for developing and maintaining a major project or holding a job in one of the 6 areas of study: animals, plants, ENR, mechanics, woods or food science. Students have the opportunity to enhance their supervised agricultural experience projects as they will be required to apply for a proficiency award and State Degree. FFA membership is required and students are encouraged to be active in the FFA organization and carry agriculturally related projects. Early release for work purposes may be pursued as a part of this course.

**FAMILY AND CONSUMER SCIENCES**

**160 Intro. to Family and Consumer Sciences (9, 10) webxam**

Prerequisites: None  
Fees: \$15.00

**Credit: .625**

Length: Semester

This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principles. Students will understand the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership and career investigation skills. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned.

**460 Principles of Food (10, 11, 12) webxam**

Prerequisites: None  
Fees: \$20.00

**Credit: .625**

Length: Semester

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. Selection and proper use of equipment and planning, preparing, and serving safe, nutritious food will be demonstrated. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned.

**461 Child Development (10, 11, 12) webxam**

Prerequisites: None

**Credit: .625**

Length: Semester

This course is open to any student – male or female – who plans to be a parent someday. 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 and sensory and motor skills. Additional topics will include childhood diseases, immunizations, Theories of development, learning styles and evaluating childcare services. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned.

**464 Textiles and Interior Design (10, 11, 12) webxam**

Prerequisites: None

**Credit: .625**Length: 2<sup>nd</sup> Semester only

Fees: \$10.00 plus project costs

In this course students will explore a broad range of topics relating to the various aspects and career opportunities available in the field of textiles and interior design. The emphasis will be given to textiles project development and developing strategies to maintain the home. Additional topics will include project collaboration, design techniques and environmental sustainability. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned. *This class will be offered this school year.*

**463 Textile Design, Construction and Maintenance (10, 11 ,12) webxam**

Prerequisites: None

**Credit.625**

Fee: \$10.00 plus project costs

Length: Semester

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 include the maintenance and alterations of textile products, including home interior accessories and garments. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned. *This course will be offered 2027-2028?*

**360 Principles of Nutrition and Wellness (11, 12) webxam**

Prerequisites: none

**Credit: .625**

Fees: \$20.00

Length: Semester

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle. Service learning projects will be developed to reflect an area of importance in the community and must be completed before credit is earned.

### **CBI (Career Based Intervention)**

#### **603 Job Related Skills I (11, 12) Credit: 1**

**Prerequisites: Application and interview process; teacher and/or counselor recommendation** Length: Full year

This program serves students who are at least sixteen (16) years of age and who meet the requirements as set by the Ohio Department of Education. This program is designed to teach “real life” situations in an educational setting. Students spend one period a day in a CBI related class (1 credit) and, in addition, are REQUIRED to work outside of the classroom (CBI Work: 2 credit) an average of 15 hours per week in a teacher-approved business setting. Some areas covered in the related class are: applying, interviewing, and maintaining employment, current events, career research, credit purchasing, personal budgeting, banking and money, insurance, decision-making, income taxes, and other miscellaneous “real-life” activities.

**Students must be recommended by the principal, CBI Coordinator, and/or school counselor for this program. Acceptance into CBI may include an interview with the CBI Coordinator and will require a Contract of Agreement signed by the student and the parent.**

#### **604 CBI Job Related Skills II (12)**

**Credit: 1**

**Prerequisites: Completion of CBI Related Skills I. Approval by School Counselor and CBI department** Length: Full year

This class is a continuation of CBI Jobs Related Skills I and will focus on many of the same topics but with students creating, applying, and presenting projects and research related to career education.

#### **605 CBI On the Job (11, 12)**

**Credit: 2**

**Prerequisites: Approval by School Counselor and CBI department** Length: Full year

Students will participate in supervised work experience at a place of employment selected by the student. Students will receive a variety of practical on-the-job work experiences and will be evaluated by his/her employer after each grading period. Work experience must total a minimum average of 15 hours per week or more. A minimum of 540 hours, or more, is required at the end of the year.

#### **C320 English 11 (11)**

**Credit: 1**

**Prerequisites: English 10, participation in the CBI Program**

**Length: Full year**

**Estimated fees: Interactive Reader - \$10.00**

This course focuses on proficiency in reading and writing skills, and employability skills. Curriculum includes short stories, novels, plays, poetry, nonfiction and vocabulary study.

**C420 English 12 (12)****Credit: 1**

Prerequisites: English 12, participation in the CBI Program

Length: Full year

Estimated fees: Reader's Digest - \$10.00

This course focuses on proficiency in reading and writing skills, and employability skills. Curriculum includes short stories, novels, plays, poetry, nonfiction and vocabulary study. Career portfolios are required.

**WEST HOLMES BUILDING TRADES**  
**CONSTRUCTION TECHNOLOGIES PROGRAM**

WH Building Trades (Construction Technologies Program) prepares students for a career in the construction industry by providing both men and women with the knowledge and skills needed for entry-level employment opportunities. West Holmes Building Trades (Construction Technologies Program) introduces blueprint reading, carpentry (rough and finish), drywall, electrical, insulation, painting, plumbing, roofing and siding. Seniors have the opportunity for early job placement in place of the lab.

**665 Principles of Wood Construction (9-12) webxam****Credit: 1**

Prerequisites: None

Length: Full year

Subject Code: 178030

Students will engage in the introductory skills utilized in working with various wood construction materials. They will learn to use basic measuring tools, hand tools and machines, common to the wood industry, to construct basic projects. Additionally, students will examine various wood construction materials and their properties. Throughout the course, students will learn components of site and personal safety.

**270 Construction Safety & Crew Leadership (10, 11, 12) webxam****Credit: 1**

Prerequisites: 665 Principles of Wood Construction

Length: Full year

New technologies and strong demand for quality wood products have resulted in many employment opportunities in this industry. Through focused, hands-on, project-based learning gain the skills needed to excel in today's high-tech, hands-on manufacturing environment. You will prepare for work in the cabinet and furniture making field by creating real-world projects. Develop your skills with hand and portable power tools, along with stationary woodworking machinery, including computer numeric control (CNC) equipment. Your training also includes blueprint reading, estimating, AutoCAD and tool maintenance. An emphasis on teamwork, project management, individual initiative and workplace skills will have you job-ready.

## **Junior/Senior Labs**

Courses 667 and 668 are to be taken together in the School Year

Courses 669 and 670 are to be taken together in the School Year

Requirements for all four classes: Work boots and small tools, adherence to safety rules for laboratory and related classes.

### **667 Core and Sustainable Construction (11 & 12) webxam**

Prerequisites for First Years: Teacher approval

Subject Code: 178000

**Credit: 1.5**

Length: Semester

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tools and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

### **668 Carpentry and Masonry (11 & 12) webxam**

Prerequisites for First Years: Teacher approval

Subject Code: 178001

**Credit: 1.5**

Length: Semester

This first course in the pathway will introduce to students the materials, methods, and equipment used in carpentry and masonry. Students will organize a project work sequence by interpreting plans and diagrams within a construction drawing set. They will layout and install basic wall, floor and roof applications. Students will perform introductory concrete applications including formwork, reinforcement, mixing, and finishing. Current advancements in technology, safety, applicable code requirements and correct practices are learned.

### **669 Structural Coverings and Finishes (11 & 12) webxam**

Prerequisites for First Years: Teacher approval

Subject Code: 178004

Length: Semester

This course will address applications of interior and exterior finish work. Students will identify material properties and select appropriate applications. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall; trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.

**670 Structural Systems (11 & 12) webxam**  
Prerequisites for First Years: Teacher approval  
Subject Code: 178003

**Credit: 1.5**  
Length: Semester

Students will learn procedures and techniques required for layout and framing of walls and ceilings, including roughing-in door and window openings, constructing corners and partitions; bracing walls and ceilings; and applying sheathing. Students will learn methods of roof, cold formed steel, and wood stair framing. Students will learn site and personal safety, material properties, design procedures, and code requirements for structural systems.

## **WEST HOLMES WELDING PROGRAM**

The West Holmes Welding Program offers introductory welding skills for all grade levels and an advanced two-year welding program. Students in the advanced program will gain hands-on experience in SMAW, GMAW, FCAW, and GTAW. They will also learn blueprint reading, torch cutting, plasma cutting, fabrication, and computer-aided design. Throughout the program, students have the opportunity to earn industry-recognized credentials and certifications in welding, helping them prepare for a successful career in the welding and fabrication industry.

### **171 Welding Technologies (9,10,11,12)webxam**

Subject Code: 176009

Prerequisites: none

**Credit: .5**

Length: Semester

Students will use fundamental welding principles involving shielded metal arc, oxyacetylene, gas tungsten and gas metal arc welding in the flat, horizontal and vertical positions. Emphasis is given to electrode selection, equipment setup, operating procedures, welding inspection and testing. Students will learn joint designs and layout and will be introduced to welding codes and standards. Additional topics include employability skills, and an emphasis will be given to personal safety.

### **271 Welding Fabrication (9,10,11,12)webxam**

Subject Code: 176015

Prerequisites: none

**Credit: .5**

Length: Semester

Students will apply the knowledge and skills necessary to safely fabricate parts by cutting, drilling, bending, shaping, forming, edging and assembling stock to drawing dimensions. Students will identify weld types, fasteners and adhesives to join materials.

### **371I Shielded Metal Arc Welding (SMAW) (10,11, 12)webxam**

Subject Code: 176001

Prerequisites: none

**Credit: 1.5**

Length: Full year

Welding Students will be able to use the Shielded Metal Arc Welding process (SMAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds.

### **372I Gas Metal Arc Welding (GMAW) (10,11,12) webxam**

Subject Code: 176000

Prerequisites: none

**Credit: 1.5**

Length: Full year

Students will use the Gas Metal Arc Welding process (GMAW) to safely join various types of metal. They will cut metals using oxy-fuel processes and perform multiple types of welds and joints in all positions, up to and including overhead. They will

select the appropriate type of electrode wire and shielding gas, and they will adjust welding equipment based on the physical characteristics and metal properties. Students will apply quality control factors to evaluate weld quality.

**371II Flux Cored Arc Welding (FCAW)(11,12)webxam**

Subject Code: 176002

**Credit: 1.5**

Length: Full year

Prerequisites: Completion of SMAW and GMAW

Students will be able to use the Flux Cored Arc Welding process (FCAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select the appropriate type of cored electrode wire and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds.

**372II Gas Tungsten Arc Welding (GTAW)(11,12)**

Subject Code: 176003

**Credit: 1.5**

Length: Full year

Prerequisites: Completion of SMAW and GMAW

Students will use the Gas Tungsten Arc Welding process (GTAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode, filler metal and shielding gas. They will be able to adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate weld quality.

**Manufacturing Capstone (12)**

Subject Code: 176008

**Credit: 1.5**

Length: Full year

Prerequisites: Completion of SMAW, GMAW, FCAW and GTAW

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in a Manufacturing program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.