

# Dual Credit courses offered at MHS

See more information about classes at <https://collegecatalog.iavalley.edu/>

## **AGB235 Introduction to Agriculture Market**

**3 credits**

Basic concepts and economics principles related to markets for agricultural inputs and products. Overview of current marketing problems faced by farms and agribusinesses, farm and retail price behavior, structure of markets, food marketing channels, food quality and food safety, and the role of agriculture in the general economy. The implications of consumer preferences at the farm level. Introduction to hedging, futures, and other risk management tools.

## **AGB330 Farm Business Management**

**3 credits**

Business and economic principles applied to decision making and problem solving in the management of a farm business, cash flow, partial, enterprise, and whole farm budgeting. Information systems for farm accounting, analysis, and control. Obtaining and managing land, capital, and labor resources. Alternatives for farm business organization and risk management.

## **AGB336 Agriculture Selling**

**3 credits**

Principles of selling with application to agricultural and food related businesses. Attitudes, value systems, and behavioral patterns that relate to agricultural sales. Marketing, selling strategies, preparing for sales calls, making sales presentations, handling objections, and closing sales. Analysis of the buying or purchasing process. Evaluation of the agri-selling profession.

## **EDU 213 Introduction to Education**

**3 credits**

Survey of the aims, organization, politics, history and leaders in European and American education

## **EDU 240 Educational Psychology**

**3 credits**

Examines the theoretical and applied aspects of the learning process, theories of motivation, early-child through adolescent development, personality, assessment, psychology in the classroom, and evaluation in educational settings. Corresponding implications for effective teaching and research pertinent to teaching and learning will be discussed.

## **EDU 282 Field Experience: Exploring Teaching**

**1 credit**

Observe and familiarize oneself with roles and responsibilities of classroom educators in the school environment. This 34-hour field experience course will take place in an area K-12 school under guidance of a mentor classroom teacher. Students must complete, and successfully pass, a criminal background check prior to beginning their field experience.

## **ENG 105 Composition I**

**3 credits**

An exploration of writing as a process with attention to audience, purpose, and patterns of exposition. Instruction will also include basic research and documentation skills.

## **ENG 106 Composition II**

**3 credits**

This course extends writing principles learned in ENG105 to research-based argument, analysis, and persuasion. Students will design academic research projects adapted to various audiences and writing tasks.

## **MAT110 Math for Liberal Arts**

**3 credits**

An exploration of critical thinking, problem solving and decision making based on the study of various fields of mathematics. The emphasis is on understanding the usefulness of mathematics in everyday situations.

**MAT156 Statistics****3 credits**

This course provides a foundation of statistical concepts and procedures that can aid the student as both a consumer and producer of statistical information. The course emphasizes descriptive and inferential statistical methods, probability, estimation, hypothesis testing and linear regression. Students are introduced to technology as it applies to introductory statistical methods..

**MAT210 Calculus I****4 credits**

This course is designed to provide you with a basic knowledge of calculus. Topics covered include the concepts of a limit, continuity, the derivative, and the integral as well as practical applications of these concepts. Topics will be approached from numerical, graphical, and analytical standpoints.

**MAT216 Calculus II****4 credits**

The study of calculus is expanded in this course to include more advanced topics. Topics include techniques of integration, differential equations, analytic geometry, and infinite series. Function types include polynomial, rational, exponential, logarithmic, trig, inverse trig and hyperbolic. The emphasis of the course will be on problem solving techniques and theory.

**MAT765 Welding Mathematics****3 credits**

Covers basic algebra as it relates to fundamental equations, ratios and proportions, and percentages. Also covers basic right-angle trigonometry and provides for additional practice in solving stated problems.

**PSY111 Introduction to Psychology****3 credits**

A survey of psychological concepts, methods and principles of behavior and mental processes.

**PSY 121 Developmental Psychology****3 credits**

Students are introduced to biological, cognitive, social, and emotional development from conception through death. The course provides an introduction to both the historical and contemporary theories in developmental psychology.

**PSY241 Abnormal Psychology****3 credits****Prerequisite: PSY111**

This course examines historical and current theoretical perspectives of abnormality. Students will evaluate diagnostic criteria, research, and ethical issues in abnormal psychology using a biopsychosocial approach.

**PSY251 Social Psychology****3 credits****Prerequisite: PSY111**

Learn research and theories on human behavior in social contexts. Emphasis is placed on social perception and cognition, social influence, aggression, stereotypes and helping.

**SPC112 Public Speaking****3 credits**

Public Speaking develops oral communication skills. Students develop both speaking and listening skills, adjust to and audience, and prepare and deliver informative and persuasive speeches.

**WEL228 Introduction to Welding, Safety and Health of Welders: SENSE1 1 credit**

This course will provide students with orientation to the welding profession and will cover the basics of safety & health within the welding profession. This course aligns SENSE Level 1, Module 1 and Module 2 - Key Indicators 1-6.

**WEL233 Print Reading and Welding Symbol Interpretation: SENSE1 3 credits**

Provides instruction in interpreting elements of welding prints (drawings or sketches), focusing on measurement, American Welding Society welding symbols, and fabrication requirements. Students will understand how to prepare, assemble and tack welding parts according to drawings or sketches, using proper materials and tools. This course aligns to SENSE Level 1 Module 3: Drawing and Welding Symbol Interpretation, Key Indicators

**WEL244 Gas Metal Arc Welding Short Circuit Transfer: SENSE1 2 credits**

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting Transfer. Students perform American Welding Society compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended. This course aligns with SENSE Level 1 Module 5 Key Indicators 1-7.

**WEL245 Gas Metal Arc Welding Spray Transfer: SENSE1 2 credits**

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Spray Transfer. Students perform American Welding Society compliant welds on carbon steel in flat and horizontal positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. It aligns with SENSE Level 1 Module 5 Key Indicators 1, 2 and 8-12, as well as Module 2 - Indicator 7, Module 3-Key Indicator 3, and Module 9 - Key Indicator 2.

**WEL262 Thermal Cutting Processes 1-Manual and Mechanized OxyFuel Cutting:SENSE 1 2 credits**

Focuses on proper safety, equipment setup and cutting techniques for manual and mechanized OxyFuel cutting on carbon steel. Students perform American Welding Society compliant cutting operations in the flat position. The student will also perform scarfing and gouging operations to remove base and weld metal in flat and horizontal positions on carbon steel. This course aligns to SENSE Level 1 Module 8 - Units 1 and 2, as well as Module 2 - Key Indicator 7 and Module 9 - Key Indicator 1.

**WEL 263 Thermal Cutting Processes II - Plasma and Carbon Steel Arc: SENSE1 2 credits**

Focuses on proper safety, equipment setup and cutting techniques for Plasma and Carbon steel Arc cutting on carbon steel, austenitic stainless steel, and aluminum. Students perform American Welding Society compliant cutting operations in the flat position. The student will also perform scarfing and gouging operations to remove base and weld metal in flat and horizontal positions. This course aligns to SENSE Level 1 Module 8 - Units 3 and 4, as well as Module 2 - Key Indicator 7 and Module 9 - Key Indicator 1.

**WEL 281 - Flux Cored Arc Welding (Gas-Shielded): SENSE1 2 credits**

Focuses on proper weld safety, machine setup and welding techniques for Flux Cored Arc Welding (Gas Shielded). Students perform American Welding Society compliant welds on carbon steel in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. It aligns to SENSE Level 1, Module 6 - Key Indicators 1-7, as well as Module 2 - Key Indicator 7, Module 3- Key Indicator 3, and Module 9 - Key Indicator 2.

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## Information about CEP Courses

### Registering for College credit

All students must register through the high school counseling office. The High School Dual Credit Application is located on our website: <https://pawpass.iavalley.edu/ICS/Apply/>

### Earning credit

A student enrolled in dual credit earns both MHS and College credit. Montezuma Community School District pays for the college credit(s). Take each class seriously, remembering that the grade(s) will be permanently recorded on an official college transcript that follows throughout all college endeavors.

### Dropping a class

For a student to drop a college credit class, they must go through their high school counselor. The MHS Counseling Office will communicate this drop to the college through the Dual Credit Portal. **The last day to withdraw 2026/27 courses, through the College, is November 13 (Fall semester) and April 16 (Spring semester).**

### Failing a class

The failure of a pupil to complete or otherwise receive credit for an enrolled course requires the pupil to follow the individual procedures of his/her school.

### Transferring the credit to another college

A student must request the transfer of credit by submitting a transcript through the National Student Clearinghouse by following the this link: [National Student Clearinghouse secure site](#). The College charges a minimal \$7 processing fee to send a transcript. The student must pay this fee; Montezuma Community School District does not pay this fee. The transcript may be sent immediately or select 'send at the end of the term' to ensure all grades are posted on the transcript. **As you submit college applications, you need to indicate that you have transfer credits.**