

**CEP (Concurrent Enrollment Program)**  
**Dual Credit courses offered at GHS**

**AGS113 Survey of the Animal Industry (ECC course) 3 credits**  
Processes and principals involved in animal production and management (an introduction to livestock enterprises and related industries).

**ART133 Drawing (MCC course) 3 credits**  
Drawing with charcoal, pencil, and ink. Emphasizes development of observational skills. Introduces composition, value, perspective, and content using still life, landscape and figure drawing.

**ART143 Painting (MCC course) 3 credits**  
Painting in oil and/or water media. Emphasizes pragmatic understanding of the characteristics of paints, pigments, and painting surfaces and explores visual expression with color.

**ART173 Ceramics 3 credits**  
Working with clay: Hand building and wheel work, glazing and other surface finishing techniques, and kiln operation. Emphasizes aesthetics of both functional and non-functional ceramics.

**ENG105 Composition I (MCC course) 3 credits**  
Written communication using various rhetorical methods. For students whose standardized test scores indicate insufficient preparation, prerequisites are ENG060, ENG061 and/or instructor approval.

**ENG106 Composition II (MCC course) 3 credits**  
A study of written communication emphasizing argumentation, persuasion, investigation, and the research paper.

**MAT765 Welding Mathematics (MCC course) 3 credits**  
*Career and Technical Credit Type*  
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.

**SDV135 Job Seeking Skills (MCC course) 3 credits**  
Effective techniques to secure work that matches skills, interests, and goals in a competitive job market

**WEL103 Oxy-Acetylene Welding & Brazing (MCC course) 1 credit**  
*Career and Technical Credit Type*  
Fillet welds and brazing in the flat and horizontal positions. Oxy- Acetylene equipment safety, storage and nomenclature

**WEL228 Welding Safety/Health (MCC course) 1 credit**  
*Career and Technical Credit Type*  
This course will provide students with orientation to the welding profession and will cover the basics of safety and health within the welding profession

**WEL233 Print Read/Sym Inter (MCC course) 3 credits**  
*Career and Technical Credit Type*

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.

**WEL244 GMAW Sh Cir Transfer (MCC course)**

**3 credits**

*Career and Technical Credit Type*

Focuses on proper weld safety, machine set up 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.

**WEL245 GMAW Spray Transfer: SENSE1 (MCC course)**

**2 credits**

*Career and Technical Credit Type*

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.

**WEL251 Gas Tungsten Arc Welding for Carbon Steel: SENSE1 (MCC course) 2 credits**

*Career and Technical Credit Type*

Focuses on proper weld safety, machine setup and welding techniques for Gas Tungsten Arc Welding. 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 successful completion of this course. This course aligns to SENSE Level 1, Module 7 – Key Indicators 1-7, as well as Module 2 - Key Indicator 7, Module 3- Key Indicator 3, and Module 9 – Key Indicator 2.

**WEL252 Gas Tungsten Arc Welding for Aluminum (MCC course)**

**1 credit**

*Career and Technical Credit Type*

Focuses on proper weld safety, machine setup and welding techniques for gas tungsten arc welding. Students perform American Welding Society compliant welds on aluminum in flat and horizontal positions. This course will prepare students to take an AWS welder certification test, which is recommended for successful completion of this course. This course aligns to SENSE Level I, Module 7 Key Indicators 1, 2 and 13 – 17, as well as Module 2 - Key Indicator 7, Module 3- Key Indicator 3, and Module 9 – Key Indicator 2.

**WEL253 Gas Tungsten Arc Welding for Austenitic St. Steel: SENSE1 (MCC) 1 credit**

*Career and Technical Credit Type*

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

**WEL254 Welding Inspection and Testing Principles: SENSE1 (MCC course) 1 credit**

*Career and Technical Credit Type*

Students will visually examine test weldments and thermally cut surfaces per multiple welding

codes, standards, and specifications. This course aligns to SENSE Level I, Module 9: Welding Inspection and Testing Principles.

**WEL262 OFC-I Manual and Mech (MCC course)**

**3 credits**

*Career and Technical Credit Type*

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 performs scarfing and gouging operations to remove base and weld metal in flat and horizontal positions on carbon steel.

**WEL263 PAC/CAC: SENSE1 (MCC course)**

**2 credits**

*Career and Technical Credit Type*

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.

**WEL274 SMAW I: SENSE1 (MCC course)**

**3 credits**

*Career and Technical Credit Type*

Focuses on safety, amperage settings, polarity and the proper selection of electrodes for the shielded metal arc welding process. Students will perform American Welding Society compliant welds on carbon steel, using visual and destructive methods for determining weld quality. This course aligns to SENSE Level 1.

**WEL275 Shielded Metal Arc Welding II: SENSE1 (MCC course)**

**3 credits**

*Career and Technical Credit Type*

Focuses on safety, amperage settings, polarity and the proper selection of electrodes for the Shielded Metal Arc Welding (informally known as stick welding) process. Students perform American Welding Society complaint welds on carbon steel, in vertical up and overhead configurations, using visual and destructive methods for determining weld quality. This course aligns to SENSE Level 1 Module 4: Shielded Metal Arc Welding Key Indicators 1-7 for the flat and horizontal positions, as well as Module 2 - Key Indicator 7, Module 3- Key Indicator 3, and Module 9 – Key Indicator 2.

**WEL280 FCAW Self-Shielded: SENSE1 (MCC course)**

**2 credits**

*Career and Technical Credit Type*

Focuses on proper weld safety, machine setup and welding techniques for Flux Cored Arc Welding Self-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, 2 and 8-12, as well as Module 2 - Key Indicator 7, Module 3- Key Indicator 3, and Module 9 – Key Indicator 2.

**WEL281 FCAW Gas-Shielded: SENSE1 (MCC course)**

**2 credits**

*Career and Technical Credit Type*

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** *an agreement between GHS and MCC/ECC*

### **Registering for MCC/ECC credit**

All students must register through the high school counseling office. The High School Student Application/Registration form must be submitted to the MCC or ECC Admission's Office.

### **Earning credit**

A student enrolled in dual credit earns both GHS and MCC/ECC credit. Grinnell-Newburg 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, two drop forms must be completed: one for GHS and one for MCC/ECC. GHS counselors have the MCC/ECC drop slip, which requires the signature of the instructor and the high school counselor. The GHS Counseling Office collects and mails the drop slips to MCC/ECC. **The last day to drop 2018-19 courses through the College, is Nov. 1 (Trimester 1), Feb. 1 (Trimester 2), and May 12 (Trimester 3).**

### **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 request form to the MCC and/or ECC Registrar's Office (as listed above, the agriculture courses are offered through ECC). **The form is available at the Registrar's Office or online.** Access the MCC request form at <https://mcc.iavalley.edu/resources-for-students/registrars-office/> and the ECC request form at <https://ecc.iavalley.edu/resources-for-students/registrars-office/>. The College charges a minimal \$5 processing fee to send a transcript. The student must pay this fee; Grinnell-Newburg 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. The MCC Registrar's Office and the ECC Registrar's Office operate independently. If you've taken classes through both, you'll need to contact both offices to request that a transcript be sent from each institution. **As you submit college applications, you need to indicate that you have transfer credits.**