

**Heartland Community College**  
**Dual Credit Information for 2019-2020 Courses**



**McLEAN COUNTY**  
**UNIT DISTRICT NO. 5**

Students that enroll in a dual credit course will earn high school credit (count toward graduation credits and grade point average) and college credit for colleges that accept the credit. Students and parents are strongly encouraged to check with colleges of interest to verify the conditions under which they will accept dual credit coursework from Heartland Community College.

Dual credit courses are taught at NCHS and NCWHS during the regular school day by Unit 5 faculty members. Heartland will waive tuition for those courses -- meaning there is no tuition charged to Unit 5 students who choose to enroll in those courses. However, students/parents are responsible for purchasing any required textbooks for dual credit courses as they are not provided by our school district. (*Textbooks range in price from \$0.00 per course to \$200.00 per course.*)

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#### **STUDENT ADMISSION PROCESS**

- Interested students can submit the Heartland student application for **FALL 2019** beginning on **SEPTEMBER 1, 2018**.  
→ Start here: [www.heartland.edu/collegeNow/admission](http://www.heartland.edu/collegeNow/admission)
- **Unit 5 students must complete the College NOW student admission process by **DECEMBER 21, 2018!****

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#### **POTENTIAL DUAL CREDIT COURSE LISTING**

*\*Final course offerings are based on student requests/enrollment. Courses that do not have sufficient enrollment will not be offered.\**

##### **ENG 911/912    Composition I**

**ENGL 101    Critical Reading & Writing (HCC) 3 HRS**  
**(Semester ½ Credit) (11, 12)**

**Prerequisite: Two years successful completion of English I and II or Honors English I and II; concurrent enrollment in English III**

An introduction to college-level writing, with training in the skills needed at each phase of the writing process, including generating ideas about a topic, determining a purpose, forming a controlling idea, analyzing the needs of your audience, organizing and planning your writing, and composing effective sentences, paragraphs, and essays. ENG 911/ 912 is intended to prepare students to write effectively for a variety of audiences and purposes. A final portfolio that includes a research paper (or papers) is required. This paper (or papers) constitutes the majority of the grade for this course. (*ENG 911 is intended to be a 1<sup>st</sup> semester course with ENG 922 following second semester. ENG 911 or 912 could be a "stand alone" senior elective.*)

##### **ENG 922    Composition II**

**ENGL 102    Multimodal Composition (HCC) 3 HRS**  
**(Semester ½ Credit) (11, 12)**

**Prerequisite: Successful completion of 911/912**

ENG 922 is a course that focuses on the rhetorical strategies used in argumentative writing, including logical analysis, critical thinking, the interpretation and evaluation of primary and secondary sources, and the conventions of academic and professional discourse. A final portfolio that includes a research paper (or papers) is required. This paper (or papers) constitutes the majority of the grade for this course. (*ENG 922 is intended to follow ENG 911 or ENG 912.*)

##### **ENG 991/992    Introduction to Oral Communication**

**COMM 101    Introduction to Oral Communication (HCC) 3 HRS**  
**(Semester ½ Credit) (11, 12)**

**Prerequisite: Successful completion of English I and II or Honors English I and II; concurrent enrollment in English III**

This is an introductory course in public speaking, with the dual goals of helping students understand basic communication principles and improving their oral communication skills. The course emphasizes preparing, selecting, organizing, and delivering oral messages, as well as analyzing and evaluating the speaking-listening process.

**SOC 931/932 Western Civilization to 1500**  
**HIST 101 Western Civilization to 1500 (HCC) 3 HRS**  
**(Semester ½ Credit) (11, 12)**

This course covers the mainstream of Western civilization from the first millennium B.C. to 1500. The course considers religious, economic, and cultural trends and developments as well as the major political events of the period. The focus of the course is on Europe but the great Middle Eastern civilizations and cultural contributions are considered as they impact Europe and help shape the West. Special attention is given to individuals and their contributions as well as to the rise of nations.

**SOC 941/942 Western Civilization Since 1500**  
**HIST 102 Western Civilization Since 1500 (HCC) 3 HRS**  
**(Semester ½ Credit) (11, 12)**

This course covers the development of the modern West in terms of the great movements of the past five centuries: The Reformation, The Enlightenment, Absolutism and the rise of the nation state, the French Revolution, Industrialization, the emergence of modern political ideology, the World Wars, the Cold War and the roots of the present political situation. The course emphasizes watershed events in the realm of religion, politics, economics, artistic and cultural developments, and war. Special attention is given to the contributions of individuals in shaping the modern world.

**MAT 911/912 Finite Math for Business and Social Science**  
**MATH 111 Finite Math for Business and Social Science (HCC) 4 HRS**  
**(Semester ½ Credit) (11, 12)**

**Prerequisite: Successful completion of Algebra II, Pre-Calculus, or College Algebra**

This class focuses on applications of the following topics: matrices, matrix algebra, linear programming, sets and counting techniques, probability, and the mathematics of finance. Note, a graphing calculator is required for this course (*instruction will be based on a TI 83+*).

**SCI 811/812 Environment Earth**  
**EASC 111 Environment Earth (HCC) 3 HRS & Environment Earth Lab (HCC) 1 HR**  
**EASC 122 (Year; 1 Credit) (11, 12)**

**Prerequisite: Two years of Science, “C” or higher in previous Science courses**

This is a course for non-science majors who desire a physical science understanding of environmental concerns. Topics may include: groundwater, air quality, land management, nuclear energy, and solid waste disposal. A beginning college-level laboratory science course that will present basic applications with problem-solving challenges and discovery methods in the physical sciences. (*Unit 5 students that enroll in SCI811/812 will be automatically enrolled in EASC 122. The lab component is integrated into the course.*)

**HUMA 101 Introduction to the Humanities**  
**ENG 891 HCC 3 HRS**  
**(Semester ½ Credit) (11, 12)**

**Prerequisite: Two years successful completion of English I and II or Honors English I and II; concurrent enrollment in English III or AP English Language**

Introduction to the Humanities is the study of social and cultural values as expressed through the major art forms, including painting, sculpture, architecture, literature, drama, music, dance, film, and photography. The course will examine the elements and formal qualities that are characteristic of each art form, the relationships between the arts, and the social and historical contexts from which they developed.

**FCS 391/392 Educating Young Children II (EYC II)**  
**CHLD 202 Health, Safety & Nutrition for the Young Child**  
**HCC 3 HRS (Year long, 1 Credit)**

**Prerequisite: “B” or higher in EYCI**

This course provides an overview of the health, safety and nutritional needs of young children and early childhood practices to ensure the health and well-being of each child in a group setting. Content includes roles and responsibilities of adults in meeting children’s diverse needs, the promotion of healthy lifestyle practices, understanding common childhood illnesses and injuries, meeting health, nutrition and safety standards, and planning nutritious meals that are appropriate for each child.

**CHEM 120 Fundamentals of Chemistry**  
**HCC 4 HRS (Year long, 1 Credit)**  
**Prerequisite - “B” in Chemistry/Honors Chemistry**

This is a survey of general, organic, and biological chemistry for students who plan to pursue a health-related profession or who have an interest in chemistry. An emphasis is placed on the relationship between chemistry and life through issues and examples from the health, medical, and environmental fields. Laboratory exercises each week are used to reinforce the lecture material.

**TEC 521/522    Advanced Metalworking**  
**WELD 110       Introduction to Welding Processes**  
**HCC 3 HRS (Yearlong, 1 Credit) (10,11,12)**

**Prerequisite: One year of Materials Applications & Processes (MAP)**

This course introduces the metal-working processes used to form, fabricate, and assemble manufactured products. Course content focuses on shielded metal arc welding, gas metal arc welding, oxy-fuel cutting, plasma torch cutting, lathe turning, and milling. Eighty-five percent of the content is taught through hands-on problem solving activities. Heartland Community College dual credit can be achieved for WELD 110.

**TEC 561/562    Machine Operations**  
**WELD 116       Shielded Metal Arc Welding**  
**HCC 3 HRS (Yearlong, 1 Credit) (10,11,12)**

**Prerequisite: Once year of Advanced Metalworking**

This course focuses on advanced topics in metalworking such as: milling, lathe turning, welding, and project design. Throughout the semester, students will design and build a functional working machine product along with completing welding preparation in shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding. Course material concentrates on problem solving and hands-on activities. Heartland Community College dual credit can be achieved for WELD 116. For an additional fee, students may choose to earn OSHA General Industry training credential through an on-line supplemental curriculum.