



Heartland Community College
Dual Credit Information for 2022-2023 Courses



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.*)

STUDENT ADMISSION PROCESS

- Interested students can submit the Heartland student application for **FALL 2022** beginning on **SEPTEMBER 1, 2021**.
→ Start here: www.heartland.edu/collegeNow/admission
- Unit 5 students must complete the College NOW student admission process by **DECEMBER 17, 2021**!**

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.

GENERAL EDUCATION (Placement Required)

ENG 911 COMPOSITION I
ENGL 101 Critical Reading & Writing (HCC) 3 HRS
(Semester ½ Credit) (11, 12) (Dual Credit Level)
Prerequisite: Two years successful completion of English I and II or Honors English I and II; Completion of English III or concurrent enrollment

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 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. *Heartland Community College dual credit can be achieved for Composition I.*

ENG 911 is intended to be a 1st semester course with ENG 922 following second semester. ENG 911 could be a “stand alone” senior elective.

ENG 922 COMPOSITION II
ENGL 102 Multimodal Composition (HCC) 3 HRS
(Semester ½ Credit) (11, 12) (Dual Credit Level)
Prerequisite: Successful completion of 911; Completion of English III or current enrollment

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. *Heartland Community College dual credit can be achieved for Composition II.*

ENG 991/992 INTRODUCTION TO ORAL COMMUNICATION
COMM 101 Introduction to Oral Communication (HCC) 3 HRS
(Semester ½ Credit) (11, 12) (Dual Credit Level)
Concurrent Enrollment: English III or AP Language in Grade 11

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. *Heartland Community College dual credit can be achieved for Oral Communication.*

ENG 891/892 INTRODUCTION TO THE HUMANITIES**HUMA 101 Introduction To The Humanities (HCC) 3 HRS****(Semester ½ Credit) (11, 12) (Dual Credit Level)****Prerequisite: Two years successful completion of English I and II or Honors English I and II Concurrent Enrollment in English III or AP Language in Grade 11**

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. *Heartland Community College dual credit can be achieved for Introduction to the Humanities.*

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

This college level course covers the main stream 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. *Heartland Community College dual credit can be achieved for Western Civilization.*

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

This college level 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. *Heartland Community College dual credit can be achieved for Western Civilization.*

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) (Dual Credit Level)****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+). *Heartland Community College dual credit can be achieved for Finite Math for Business and Social Science.*

MAT 861/862 INTRODUCTION TO STATISTICS**MATH 141 Introduction To Statistics (HCC) 4 HRS****(Semester ½ Credit) (11, 12) (Dual Credit Level)****Prerequisite: Successful completion of Algebra II or College Algebra**

This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. Descriptive methods (frequency distributions, graphing and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations, and probability laws), probability distributions (normal distributions and normal curve, binomial distribution, and random samples and sampling techniques), statistical inference (estimation, hypothesis testing, t-test, and chi-square test, and errors), correlation and regression, and f-test and analysis of variance. An emphasis is placed on calculating statistical results using appropriate technology, and interpreting those results in context, rather than using formulas and tables. *Heartland Community College dual credit can be achieved for Introduction to Statistics.*

SCI 811/812 ENVIRONMENT EARTH**EASC 111/122 Environment Earth (HCC) 3 HRS & Environment Earth Lab (HCC) 1 HR****(Yearly 1 Credit) (11, 12) (Dual Credit Level)****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: ground water, air quality, land management, nuclear energy, and solid waste disposal. *Heartland Community College dual credit can be achieved for Environment Earth.*

SCI 561/562 FUNDAMENTALS OF CHEMISTRY
CHEM 120 Fundamentals Of Chemistry (HCC) 4 HRS
(Yearly 1 Credit) (11, 12) (Dual Credit Level)

Prerequisite: "B" or higher in Chemistry or Honors Chemistry

This is a year-long 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 are used to reinforce the lecture material. *Heartland Community College dual credit can be achieved for Fundamentals of Chemistry.*

TRANSFER ELECTIVE (Placement Requirement)

FCS 400/409 INTRODUCTION TO EDUCATION
EDUC 101 Introduction To Education (HCC) 3 HRS
(Yearly 1 Credit) (11, 12) (Dual Credit Level)

Prerequisite(s):- Child Development (Recommended)

This course provides an introduction to the American education system and teaching as a profession. Throughout the course students will be offered a variety of perspectives on education including: historical, philosophical, social, legal, and ethical issues in a diverse society. A study of organizational structure and school governance will also be included. A minimum 15-hour clinical component is required for this class. Students who enroll in Introduction to Education will be required to undergo a criminal background check by a college selected vendor. A clear background check is mandatory in order to complete the course/state required 15 hour clinical component for each class. The cost of the background check will be added as a course fee. *Heartland Community College dual credit can be achieved for Introduction to Education.*

TRANSFER ELECTIVE (No Placement Requirement)

AGR 171/172 INTRODUCTION TO ANIMAL SCIENCE
AGRI 170 Introduction to Animal Science (HCC) 4 HRS
(Yearly 1 Credit) (10, 11, 12)

Prerequisites: 'Highly recommend' Intro to AFNR

During this course, students will develop an understanding of the products produced by livestock and the methods used to determine their quality; a basic understanding of breeds, the principles of selection, growth, and evaluation; a basic understanding of animal reproduction and nutrition; and an understanding of the principles of commercial livestock production and management practices. *Heartland Community College dual credit can be achieved for Introduction to Animal Science.*

WRK 121/122 PATHWAYS TO SUCCESS
SCED 105 Life Success (HCC) 3 HR
(Semester ½ Credit (11, 12) (Dual Credit Level)

Prerequisite(s): There are no formal prerequisites for this course and no placement requirements.

This course will help students gain awareness of their academic, career, and personal selves and facilitate development in each of these areas. The focus will be placed on gaining knowledge of each self, identifying areas of strength and those needing improvement, and mastering the tools necessary to achieve growth in these life areas. *This course is a combination of SCED 100, 101 and 102. Heartland Community College dual credit can be achieved for Personal Success.*