

Mechanical Engineering Technology Dual Admission

We have partnered with Manchester Community College to offer a Dual Admissions Agreement that allows you to be jointly admitted to both MCC and UNH Manchester. We make it easy with one application form, one admission process and one application fee.

Students must take these courses at MCC...	To fulfill these UNH degree requirements...
ADMT 110 – Manufacturing Processes	Elective credit
ADMT 112 – Introduction to Engineering Design & Solid Modeling	Elective credit
ADMT 115 – Engineering Print Reading	Elective credit
ADMT 118 – Electrical Fundamentals for Manufacturing	Elective credit
MATH 155 – College Algebra with Trigonometry	No transfer credit
MATH 204* – Calculus I (<i>for Mechatronics Pathway</i>)	Discovery quantitative reasoning course
FYE 100 – First Year Cornerstone	No transfer credit
ADMT 120 – Electrical Motor Controls and PLCs for Manufacturing	Elective credit
ADMT 135 – Basic Machining Practices	Elective credit
MATH 171 – Pre-Calculus	Elective credit
MATH 214* – Calculus II (<i>for Mechatronics Pathway</i>)	MATH 426 – Calculus II
PHYS 135 – College Physics I	Discovery physical science/DLAB course
ENGL 110 – College Composition I	Discovery writing skills course
ADMT 210 – Manufacturing Systems I	Elective credit
ADMT 220 – Material Science	Elective credit
ROBO 210 – Robotic Processes (<i>for Robotics Pathway</i>)	Elective credit
ADMT 230* – CAD/CAM for Manufacturing (<i>for Mechatronics Pathway</i>)	Elective credit
PHYS 136 – College Physics II	Elective credit
Discovery-approved humanities or fine arts course	Discovery humanities or fine and performing arts course
ADMT 240 – Manufacturing Systems II	Elective credit
ROBO 211 – Robotic Design (<i>for Robotics Pathway</i>)	Elective credit
ADMT 225* – Statics (<i>for Mechatronics Pathway</i>)	Elective credit
Business elective	Elective credit
Discovery-approved social science course	Discovery social science course

Note: See page 3 for information about UNH's Discovery Program courses.

* Students transferring to the Mechanical Engineering Technology program at UNH Manchester must follow the Mechatronics Pathway: MATH 204, MATH 214, ADMT 225, and ADMT 230.

Course titles, names and/or sequencing are subject to change.

Once you've finished your associate degree at MCC, complete the following requirements at UNH Manchester to receive your bachelor's degree.

Major Course Requirements:

COMP 415 – Mobile Computing First and For Most* **or** COMP 425 – Programming Fundamentals

ET 635 – Fluid Technology and Heat Transfer

ET 641 – Production Systems

ET 644 – MET Concepts in Design and Analysis

ET 625 – Technical Communications

ET 674 – Control Systems and Components

ET 675 – Electrical Technology

ET 733 – Business Organization Law **or** COMP 560 – Ethics and Law in the Digital Age**

ET 781 – Automation Engineering

ET 696 – Special Topics in Mechanical Engineering Technology

ET 734 – Economics of Business Activities

ET 751 – Mechanical Engineering Technology Project***

* Fulfills Discovery environment, technology and society requirement

** Fulfills Discovery humanities requirement

*** ET 751 is a two-semester Senior Capstone Project

Discovery Program* Course Requirements:

Discovery quantitative reasoning course¹

Discovery biological science course

Discovery environment, technology and society course

Discovery historical perspectives course

Discovery world cultures course

Discovery humanities **or** fine and performing arts course

1. Fulfilled for MCC students following the Mechatronics Pathway.

University Degree Requirements:

Elective courses to fill remainder of credits required for bachelor's degree (128 total)

University writing requirement**

* See page 3 for information about UNH's Discovery program.

** Bachelor degree candidates are required to complete four writing-intensive courses, which must include: English 401 – First Year Writing (or equivalent transfer English composition course) and three additional writing-intensive courses, one in the student's major and one at the 600-level or above.



An advisor at UNH Manchester will provide you with the best possible guidance for course selections each term.

Please also note:

- UNH Manchester accepts a maximum of 72 credits in transfer from 2-year institutions. Only courses completed with a grade of C or better will be accepted as transfer credits.
- Students must earn a minimum overall grade point average of 2.50 at MCC to be eligible for dual enrollment at UNH Manchester.

Course titles, names and/or sequencing are subject to change.

The Manchester Community College courses* listed below fulfill UNH Manchester's Discovery Program course requirements:

Writing Skills

ENGL 110M – College Composition I

Quantitative Reasoning

CIS 118M – Visual Basic Net Programming
CIS 148M – Java Programming
CIS 158M – C# Programming
MATH 170M – Discrete Mathematics
MATH 200M – Finite Math
MATH 202M – Probability & Statistics
MATH 204M – Calculus I

Biological Science

BIOL 106M – Human Body
BIOL 150M – Nutrition

Biological Science/DLAB

BIOL 101M – General Concepts in Biology
BIOL 102M – Introduction to Botany
BIOL 107M – Human Body Lab
BIOL 108M – College Biology I
BIOL 109M – College Biology II
BIOL 110M – Human Anatomy & Physiology I
BIOL 120M – Human Anatomy & Physiology II
BIOL 151M – Nutrition Lab
BIOL 201M – Principles of Genetics

Physical Science

PHYS 105M – Astronomy

Physical Science/DLAB

CHEM 115M – General Chemistry I
CHEM 116M – General Chemistry II
ESCI 110M – Earth Science
PHYS 110M – Physical Science I
PHYS 120M – Physical Science II

PHYS 135M – College Physics I
PHYS 136M – College Physics II
PHYS 210M – University Physics I
PHSY 220M – University Physics II

Environment, Technology & Society

ENVS 125M – Current Issues in the Environment

Historical Perspectives

HIST 120M – Western Civ. through 1500
HIST 130M – Western Civ. 1500 to Present
HIST 202M – US History to 1870
HIST 204M – US History 1870 to Present
HIST 205M – History of Russia

World Culture

ANTH 101M – Intro to Anthropology
HIST 210M – History of China
HIST 211M – Modern Middle Eastern History

Fine and Performing Arts

ARTS 117M – Art History I
ARTS 123M – Drawing I
ARTS 130M – Intro to Art
ARTS 217M – Art History II
ENGL 202M – Intro to Drama
HUMA 105M – Intro to Music
HUMA 106M – History of American Popular Music

Social Science

ANTH 102M – Intro to Archeology
BUS 120M – Intro to Communications Media
ECON 134M – Macroeconomics
ECON 135M – Microeconomics

GEOG 110M – Geography
POLS 110M – American Government
POLS 210M – Intro to Political Science
PSYC 110M – Intro to Psychology
PSYC 210M – Human Growth & Development
SOC 109M – Contemporary Social Problems
SOC 110M – Sociology
SOC 250M – Multiculturalism

Humanities

ENGL 200M – Topics in Literature
ENGL 201M – Survey of Poetry
ENGL 204M – Children's Literature
ENGL 207M – Intro to Literary Analysis
ENGL 218M – Short Story
ENGL 223M – British Literature I
ENGL 224M – British Literature II
ENGL 225M – Shakespeare
ENGL 230M – American Literature I
ENGL 235M – American Literature II
HIST 215M – World Religions
HUMA 126M – Intro to Film
HUMA 200M – Film & American Culture
HUMA 220M – Love in the Western Tradition
PHIL 110M – Intro to Philosophy
PHIL 240M – Ethics

Writing Intensive

ENGL 110M – College Composition I
ENGL 120M – College Composition II
ENGL 203M – Intro to Journalism
ENGL 213M – Creative Writing
ENGL 214M – Creative Nonfiction



UNH Manchester Bachelor Degree Requirements

To graduate from UNH, students must fulfill course requirements in the following areas: **major** courses, University **Discovery** Program courses and **electives**, totaling 128 credits.

Discovery Program Courses

UNH's Discovery Program builds each student's foundation in general education. To fulfill the Discovery Program, students must take the following courses: one inquiry course¹ (or INQ attribute course); one course in writing skills; one course in quantitative reasoning; as well as one 400- to 600-level course from each of the following Discovery Program categories: Biological Science (BS)²; Physical Science (PS)²; Environment, Technology and Society (ETS); Fine and Performing Arts (FPA); Historical Perspectives (HP); Humanities (HUMA); Social Science (SS) and World Cultures (WC)³

1. The Inquiry requirement shall be waived for students with 26 or more transfer credits.
2. One of these two courses must have a lab component.
3. Also may be satisfied by approved study abroad programs.