

Mechanical Engineering Technology Dual Admission

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

Students must take these courses at NCC...	To fulfill these UNH degree requirements...
CAD 111 – CADD I	Elective credit
MTTN 101 – Manufacturing Processes	Elective credit
ENGL 101 – College Composition	Discovery writing skills course
MATH 120 – Pre-calculus	MATH 418 – Analysis and Application of Functions
Discovery-approved social science course	Discovery social science course
CAD 112 – CADD II	Elective credit
MTTN 118 – Machining Technology	Elective credit
MDTN 110 – Automation Programming	Elective credit
PHYS 130 – Physics	Discovery physical science course
MATH 210 – Calculus I	Discovery quantitative reasoning course
CAD 215 – CADD III (Pro E)	Elective credit
ELET 131 – Circuit Analysis I	Elective credit
ELMT 203 – Applied Mechanics I	Elective credit
Discovery-approved English/communications course	Discovery humanities course
CHEM 130 – General Chemistry I	CHEM 403 – General Chemistry I
MDTN 285 – Design Capstone Project	Elective credit
ELMT 204 – Hydraulics and Pneumatics	Elective credit
ELMT 210 – Applied Mechanics II	Elective credit
MTTN 201 – Lean and Green Manufacturing Methods	Elective credit
SOCI 215 – Sociology of Technology	Discovery environment, technology and society course
Discovery-approved fine arts course	Discovery fine and performing arts course

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

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

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

Major Course Requirements:

MATH 426 – Calculus II

COMP 415 – Mobile Computing First and For Most

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 Project¹

1. ET 751 is a two semester Senior Capstone Project.

Discovery Program* Course Requirements:

Discovery biological sciences course

Discovery historical perspectives course

Discovery world cultures course

University Degree Requirements:

Elective courses to fill remaining 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 NCC to be eligible for dual enrollment at UNH Manchester.

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

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

Writing Skills

ENGL 101N – College Composition
ENGL 110N – Honors Expository Writing

Quantitative Reasoning

CSCI 161N – Intro to Programming Using Visual Basic
CSCI 175N – Intermediate Programming Using C++
MATH 106N – Statistics I
MATH 107N – Honors Statistics I
MATH 115N – Finite Mathematics
MATH 170N – Discrete Mathematics
MATH 206N – Statistics II
MATH 210N – Calculus I
MATH 214N – Honors Calculus I

Biological Science/DLAB

BIOL 101N – Germs 101
BIOL 105N – Biology in Focus I
BIOL 106N – Biology in Focus II
BIOL 107N – Principles of Biology I
BIOL 108N – Principles of Biology II
BIOL 111N – Basic Human Anatomy & Phys.
BIOL 130N – Anatomy and Physiology I
BIOL 131N – Anatomy and Physiology II
BIOL 201N – Adv. Anatomy and Physiology I
BIOL 202N – Adv. Anatomy and Physiology II
BIOL 210N – Medical Microbiology

Physical Science/DLAB

ENVS 105N – Earth Science
CHEM 110N – Intro to Chemistry
CHEM 130N – General Chemistry I
CHEM 131N – General Chemistry II
CHEM 135N – Honors Environment in Chemical Perspective
PHYS 101N – Physical Science I
PHYS 102N – Physical Science II
PHYS 115N – Astronomy
PHYS 116N – Meteorology
PHYS 130N – Physics I
PHYS 131N – Physics II
PHYS 230N – Calculus-Based Physics I
PHYS 231N – Calculus-Based Physics II

Environment, Technology & Society

ENVS 101N – Environmental Science
SOCI 215N – Sociology of Technology

Historical Perspectives

HIST 101N – Western Civ. Ancient to 17 Century
HIST 102N – Western Civ. Since French Revolution
HIST 110N – Ancient Civ. of the World
HIST 140N – US History Colonial to Reconstruction
HIST 141N – US History since Reconstruction
HIST 210N – The Making of England: 1215-1707
HIST 215N – New Hampshire History
HIST 232N – History of Modern Asia
HIST 241N – American Constitutional History
HIST 246N – Modern America
HIST 260N – History of Multiculturalism
HIST 265N – Latin Amer. History from Independence to the Present

World Culture

ANTH 110N – Cultural Anthropology
ANTH 263N – Intro to Chinese Culture & Society
GEOG 110N – World Regional Geography
SPAN 205N – Spanish III
SPAN 206N – Spanish IV

Fine and Performing Arts

ARTS 101N – Intro to Drawing
HUMA 102N – Art Appreciation
HUMA 103N – Music Appreciation
HUMA 104N – Jazz and Its Roots
HUMA 120N – Intro to Theatre

Social Science

ANTH 108N – Intro to Archeology
COMM 101N – Intro to Media Studies
COMM 102N – Principles of Communication
ECON 201N – Microeconomics
ECON 202N – Macroeconomics
GEOG 130N – Human Geography

POLS 101N – Intro to Political Science
POLS 102N – American Gov't and Politics
POLS 210N – State and Local Government
POLS 215N – World Affairs
POLS 220N – American Politics and Mass Media
PSYC 101N – Intro to Psychology
PSYC 130N – Human Relations
PSYC 201N – Human Growth and Development
SOCI 101N – Intro to Sociology
SOCI 201N – Contemporary Social Problems
SOCI 228N – Social Inequalities

Humanities

ENGL 105N – Intro to Literature
ENGL 215N – Literature by American Women
ENGL 220N – Honors Contemporary Dramatic Literature
ENGL 230N – British Literature I
ENGL 231N – British Literature II
ENGL 240N – American Literature I
ENGL 241N – American Literature II
ENGL 255N – Honors Humor in Literature and Other Media
HIST 262N – Movies & Social History of USA
HUMA 101N – Intro to the Humanities
HUMA 107N – World Religions
HUMA 140N – American Cinema
HUMA 145N – American Popular Culture
HUMA 220N – Classic Myths in Western Civilization
PHIL 130N – Honors Ancient Greek Philosophy
PHIL 109N – Intro to Philosophy

Writing Intensive

ENGL 101N – College Composition
ENGL 102N – Writing About Literature
ENGL 105N – Intro to Literature
ENGL 235N – Poetry Workshop
ENGL 250N – Honors Advance Creative Writing



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.