# 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.

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

**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 Project

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

**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
- MATH 107N – Honors Statistics I
- MATH 106N – Statistics I

**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.

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