### Mechanical Engineering Technology Dual Admission

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

**Complete your associate’s degree in** Mechanical Engineering Technology at NHTI then seamlessly begin your studies at UNH Manchester toward your bachelor’s degree in Mechanical Engineering Technology.

<table>
<thead>
<tr>
<th>Students must take these courses at NHTI …</th>
<th>To fulfill these UNH degree requirements…</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101 – English Composition</td>
<td>Discovery writing skills course</td>
</tr>
<tr>
<td>MCET 105 – Engineering Design</td>
<td>Elective credit</td>
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<tr>
<td>MFET 111 – Manufacturing and Materials Processing</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MATH 124 – College Algebra</td>
<td>No transfer credit</td>
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<tr>
<td>PHYS 133 – Physics I</td>
<td>Discovery physical science course</td>
</tr>
<tr>
<td>ENGL 125 – Comm. Lit. of Science and Technology</td>
<td>Discovery humanities course</td>
</tr>
<tr>
<td>MCET 150 – Statics and Strength of Materials</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MATH 140 – Pre-Calculus</td>
<td>Elective credit</td>
</tr>
<tr>
<td>PHYS 135 – Physics II</td>
<td>Elective credit</td>
</tr>
<tr>
<td>CHEM 105 – Chemistry</td>
<td>CHEM 403 – General Chemistry I</td>
</tr>
<tr>
<td>MCET 250 – Dynamics and Mechanical Design I</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MCET 202 – Measurement and Control</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MATH 205 – Calculus I</td>
<td>Discovery quantitative reasoning course</td>
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<tr>
<td>Discovery-approved social science elective</td>
<td>Discovery social science course</td>
</tr>
<tr>
<td>MFET 202 – Measurement and Control</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MCET 205 – Material Science</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MCET 229 – Thermodynamics and Heat Transfer</td>
<td>Elective credit</td>
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<tr>
<td>MCET 260 – Mechanical Design II</td>
<td>Elective credit</td>
</tr>
<tr>
<td>Discovery-approved fine arts elective</td>
<td>Discovery fine and performing arts course</td>
</tr>
<tr>
<td>Technical elective (MFET 231 – Production Systems)</td>
<td>ET 641 – Production Systems</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 NHTI, complete the following requirements at UNH Manchester to receive your bachelor’s degree.

### Major Course Requirements:

- ET 630 – Analytical Methods in Technology\(^1\)
- ET 635 – Fluid Technology and heat Transfer
- ET 641 – Production Systems (if an elective other than MFET 231 is chosen)
- 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 and Law
- ET 696 – Topics in Mechanical Engineering Technology
- ET 751 – Mechanical Engineering Technology Senior Project\(^2\)
- ET 781 – Introduction to Automation Engineering
- ET 734 – Economics of Business Activities
- COMP 415 – Mobile Computing 1st and 4Most (fulfills Discovery environment, technology and society course requirement)

| 1. ET 630 can be waived if Math 206 – Calculus II, is successfully completed. ET 630 does cover other topics outside calculus and would be beneficial. |
| 2. ET 751 is a two semester Senior Capstone Project. |

### Discovery Program* Course Requirements:

- Discovery environment, technology and society course
- Discovery historical perspectives course
- Discovery world cultures course
- Discovery biological science course

### 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 those courses completed with a grade of C or better will be accepted in transfer.
- Students must attain a minimum of 128 credits for graduation.

Course titles, names and/or sequencing are subject to change.
The NHTI courses* listed below fulfill UNH Manchester’s Discovery Program course requirements:

**Writing Skills**
ENGL 101C – English Composition

**Quantitative Reasoning**
CPET 107C – Intro to Programming C++
MATH 125C – Finite Mathematics
MATH 205C – Calculus I
MATH 251C – Statistics

**Biological Science**
BIOL 125C – Human Genetics and Society

**Biological Science/DLAB**
BIOL 111C – General Biology I
BIOL 112C – General Biology II
BIOL 115C – Intro to Ecology
BIOL 117C – Intro to Plant Biology
BIOL 120C – Human Biology
BIOL 159C – Personal Nutrition
BIOL 195C – Anatomy and Physiology I
BIOL 196C – Anatomy and Physiology II
BIOL 202C – Microbiology
ENVS 101C – Fundamentals of Environmental Science

**Physical Science**
GEOL 101C – Essentials of Geology

**Physical Science/DLAB**
CHEM 103C – General Chemistry I
CHEM 104C – General Chemistry II
CHEM 105C – Chemistry
CHEM 110C – Intro to Biochemistry
CHEM 120C – Intro to Forensic Science
PHYS 133C – Physics I (Algebra-Based)
PHYS 135C – Physics II (Algebra-Based)
PHYS 231C – Physics I (Calculus-Based)
PHYS 232C – Physics II (Calculus-Based)
SCI 104C – Astronomy & Space
SCI 107C – Intro to Meteorology

**Environment, Technology & Society**
ENGL 285C – Literature, Technology and Culture

**Historical Perspectives**
HIST 104C – Western Civ.: Antiquity to 1650
HIST 105C – Western Civ.: 1650 to Present
HIST 120C – U.S. History to 1870
HIST 121C – U.S. History 1870 to Present
HIST 131C – World History I (to 1500)
HIST 132C – World History II (1500 to Present)
HIST 221C – New Hampshire History

**World Culture**
ANTH 101C – Intro to Cultural Anthropology
ANTH 210C – Native American Studies
INDL 120C – Global Public Health Issues

**Fine and Performing Arts**
DANC 140C – Intro to Modern Dance
VTRS 101C – Intro to Drawing
MUSC 105C – Intro to Music
MUSC 106C – History of Jazz, Blues, Rock & Roll
MUSC 107C – World Music
THTR 110C – Intro to Theatre
VTRS 101C – Intro to Drawing
VTRS 102C – Intro to Visual Arts
VTRS 111C – Survey of Western Art History
VTRS 112C – Survey of Western Art History
VTRS 115C – History of Modern Art

**Social Science**
ENGL286C/TECP86C – Intro to Linguistics
ENGL 120C – Communications
ENGL 120MC – Communications
ENGL 120WC – Communications
ECON 101C – Macroeconomics
ECON 102C – Microeconomics
POL 110C – American Government
PSYC 105C – Intro to Psychology
PSYC 220C – Human Growth & Development: Life Span
SOCI 105C – Intro to Sociology
SOCI 205C – The Individual and Society
SOCI 214C – Ethnic & Race Relations

**Humanities**
ENGL 102C – Intro to Literature
ENGL 121C – Intro to Film
ENGL 125C – Communication & the Literature of Science & Technology
ENGL 150C – Intro to Drama
ENGL 160C – Intro to Poetry
ENGL 210C – British Literature I
ENGL 211C – British Literature II
ENGL 214C – American Lit. Survey I (to 1865)
ENGL 215C – American Lit. Survey II (1865-Present)
ENGL 251C – Contemporary Drama
ENGL 255C – Shakespeare
ENGL 260C – The Novel
ENGL 272C – Modern Short Fiction
ENGL 287C – Women in Literature
ENGL 291AC – Contemporary Latin American Literature
ENGL 291BC – Contemporary Spanish Literature
PHIL 110C – Intro to Philosophy
PHIL 226AC – Comparative World Religions
PHIL 242C – Contemporary Ethical Issues

**Writing Intensive**
ENGL 101C – English Composition
ENGL 120WC – Communicating Mindfully
ENGL 201C – English Composition
ENGL 295AC – Creative Writing: Fiction
ENGL 295CB – Creative Writing: Poetry
ENGL 295CC – Creative Nonfiction

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**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.

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