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>
</tr>
<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>
</tr>
<tr>
<td>PHYS 133 – Physics I</td>
<td>Discovery physical science course</td>
</tr>
<tr>
<td>ENGL 125 – Communication and the Literature 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>MFET 202 – Measurement and Control</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MATH 205 – Calculus I</td>
<td>Discovery quantitative reasoning course</td>
</tr>
<tr>
<td>Discovery-approved social science elective</td>
<td>Discovery social science course</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>
</tr>
<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
- 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
- ET 734 – Economics of Business Activities
- ET 781 – Introduction to Automation Engineering
- 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**

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* 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
- ENV 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 Environment, Technology & Society

**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
- DANC 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
- VRTS 101C – Intro to Drawing
- VRTS 102C – Intro to Visual Arts
- VRTS 111C – Survey of Western Art History
- VRTS 112C – Survey of Western Art History
- VRTS 115C – History of Modern Art

**Social Science**
- ENGL 286C/TECP 86C – Intro to Linguistics
- ENGL 120C – Communications
- ENGL 120MC – Communications
- ENGL 120WC – Communications
- ECON 101C – Macroeconomics
- ECON 102C – Microeconomics
- POLS 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); Physical Science (PS); 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.