Electrical 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 Robotics and Automation Engineering Technology at NHTI then seamlessly begin your studies at UNH Manchester toward your bachelor’s degree in Electrical 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>ELET 101 Electric Circuits</td>
<td>Elective credit</td>
</tr>
<tr>
<td>ELET 115 – Digital Fundamentals</td>
<td>Elective credit</td>
</tr>
<tr>
<td>ENGL 125 – Communication and the Literature of Science and Technology</td>
<td>Discovery humanities course</td>
</tr>
<tr>
<td>MATH 124 – College Algebra</td>
<td>No transfer credit</td>
</tr>
<tr>
<td>MCET 105 – Engineering Design</td>
<td>Elective credit</td>
</tr>
<tr>
<td>ELET 102 – Circuit Analysis</td>
<td>Elective credit</td>
</tr>
<tr>
<td>CPET 107 – Introduction to Programming with C++</td>
<td>COMP 425 – Computing Fundamentals</td>
</tr>
<tr>
<td>CPET 215 – Integrated Circuits and Interfacing</td>
<td>Elective credit</td>
</tr>
<tr>
<td>ENGL 101 – English Composition</td>
<td>Discovery writing skills course</td>
</tr>
<tr>
<td>MATH 140 – Pre-Calculus</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MFET 111 – Manufacturing and Materials Processing</td>
<td>Elective credit</td>
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<tr>
<td>MATH 205 – Calculus I</td>
<td>Discovery quantitative reasoning course</td>
</tr>
<tr>
<td>PHYS 133 Physics I</td>
<td>Discovery physical science course</td>
</tr>
<tr>
<td>RAET 205 – PLC Programming</td>
<td>Elective credit</td>
</tr>
<tr>
<td>RAET 210 – Robotics and Automation I</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MFET 210 – Lean Manufacturing</td>
<td>Elective credit</td>
</tr>
<tr>
<td>PH 135 – Physics II</td>
<td>Elective credit</td>
</tr>
<tr>
<td>RAET 220 – Robotics and Automation II</td>
<td>Elective credit</td>
</tr>
<tr>
<td>RAET 250 – Major Field Project</td>
<td>Elective credit</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 677 – Analog Systems
- ET 680 – Communications and Fields
- ET 671 – Digital Systems
- ET 674 – Control Systems and Components
- ET 625 – Technical Communications
- ET 733 – Business Organization and Law
- ET 697 – Topics in Electrical Engineering Technology
- ET 734 – Economics of Business Activities
- ET 788 – Introduction to Digital Signal Processing
- ET 791 – Electrical Engineering Technology Project

1. ET 791 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
- Discovery fine and performing arts 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
- ENVIS 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
- ENGL 120MC – Communicating Mindfully
- ENGL 120WC – Communication
- ENGL 101C – English Composition
- ENGL 120MC – Communication
- ENGL 120WC – Communication
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
- ENGL 120WC – Communication
- ECON 101C – Microeconomics
- ECON 102C – Macroeconomics
- PSYC 105C – Intro to Psychology
- PSYC 220C – Human Growth & Development: Life Span
- PSOC 105C – Intro to Sociology
- PSOC 205C – The Individual and Society
- PSOC 214C – Ethnic & Race Relations

### Fine and Performing Arts
- DANC 140C – Intro to Modern Dance
- DANC 210C – Intro to Art History
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
- ENGL 120WC – Communication
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- ENGL 120MC – Communication
- ENGL 120WC – Communication

### Social Science
- ENGL 101C – English Composition
- ENGL 120MC – Communication
- ENGL 120WC – Communication
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
- ENGL 120WC – Communication
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
- ENGL 120WC – Communication
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
- ENGL 120WC – Communication

### 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 – Communication
- ENGL 201C – English Composition
- ENGL 286C/TECP86C – Intro to Linguistics
- ENGL 120MC – Communication
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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 course (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)

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.*
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.

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<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>
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</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>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>

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