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>
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<tr>
<td>ELET 115 – Digital Fundamentals</td>
<td>Elective credit</td>
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<tr>
<td>ENGL 125 – Communication and the Literature of Science and Technology</td>
<td>Discovery humanities course</td>
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<tr>
<td>MATH 124 – College Algebra</td>
<td>No transfer credit</td>
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<tr>
<td>MCET 105 – Engineering Design</td>
<td>Elective credit</td>
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<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>
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<tr>
<td>CPET 215 – Integrated Circuits and Interfacing</td>
<td>Elective credit</td>
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<tr>
<td>ENGL 101 – English Composition</td>
<td>Discovery writing skills course</td>
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<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>
</tr>
<tr>
<td>MATH 205 – Calculus I</td>
<td>Discovery quantitative reasoning course</td>
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<tr>
<td>PHYS 133 Physics I</td>
<td>Discovery physical science course</td>
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<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>
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<tr>
<td>Discovery-approved social science elective</td>
<td>Discovery social science course</td>
</tr>
<tr>
<td>MFET 210 – Lean Manufacturing</td>
<td>Elective credit</td>
</tr>
<tr>
<td>PHYS 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.

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**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
- HUMA 120C – Global Public Health Issues

**Fine and Performing Arts**
- DAN 140C – Intro to Modern Dance
- VRTS 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 120MC – Communications
- ENGL 120WC – Communications
- ECON 101C – Macroeconomics
- ECON 102C – Microeconomics
- ECON 103C – Macroeconomics
- ECON 104C – 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 120MC – 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.*