

## 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.**

Students must take these courses at NHTI ...	To fulfill these UNH degree requirements...
ELET 101 Electric Circuits	Elective credit
ELET 115 – Digital Fundamentals	Elective credit
ENGL 125 – Communication and the Literature of Science and Technology	Discovery humanities course
MATH 124 – College Algebra	No transfer credit
MCET 105 – Engineering Design	Elective credit
ELET 102 – Circuit Analysis	Elective credit
CPET 107 – Introduction to Programming with C++	COMP 425 – Computing Fundamentals
CPET 215 – Integrated Circuits and Interfacing	Elective credit
ENGL 101 – English Composition	Discovery writing skills course
MATH 140 – Pre-Calculus	Elective credit
MFET 111 – Manufacturing and Materials Processing	Elective credit
MATH 205 – Calculus I	Discovery quantitative reasoning course
PHYS 133 Physics I	Discovery physical science course
RAET 205 – PLC Programming	Elective credit
RAET 210 – Robotics and Automation I	Elective credit
Discovery-approved social science elective	Discovery social science course
MFET 210 – Lean Manufacturing	Elective credit
PHYS 135 – Physics II	Elective credit
RAET 220 – Robotics and Automation II	Elective credit
RAET 250 – Major Field Project	Elective credit

**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 <sup>1</sup>

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.

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## 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  
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

ENGL286C/TECP86C – Intro to Linguistics  
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



### 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<sup>1</sup> (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)<sup>2</sup>; Physical Science (PS)<sup>2</sup>; Environment, Technology and Society (ETS); Fine and Performing Arts (FPA); Historical Perspectives (HP); Humanities (HUMA); Social Science (SS) and World Cultures (WC)<sup>3</sup>

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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## Mechanical Engineering Technology Dual Admission

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Students must take these courses at NHTI ...	To fulfill these UNH degree requirements...
ENGL 101 – English Composition	Discovery writing skills course
MCET 105 – Engineering Design	Elective credit
MFET 111 – Manufacturing and Materials Processing	Elective credit
MATH 124 – College Algebra	No transfer credit
PHYS 133 – Physics I	Discovery physical science course
ENGL 125 – Comm. Lit. of Science and Technology	Discovery humanities course
MCET 150 – Statics and Strength of Materials	Elective credit
MATH 140 – Pre-Calculus	Elective credit
PHYS 135 – Physics II	Elective credit
CHEM 105 – Chemistry	CHEM 403 – General Chemistry I
MCET 250 – Dynamics and Mechanical Design I	Elective credit
MATH 205 – Calculus I	Discovery quantitative reasoning course
Discovery-approved social science elective	Discovery social science course
MCET 205 – Material Science	Elective credit
MCET 229 – Thermodynamics and Heat Transfer	Elective credit
MCET 260 – Mechanical Design II	Elective credit
Discovery-approved fine arts elective	Discovery fine and performing arts course
Technical elective (MFET 231 – Production Systems)	ET 641 – Production Systems

**Note:** See page 3 for information about UNH's Discovery Program courses.

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