

## Electrical Engineering Technology Dual Admission

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

Students must take these courses at NCC...	To fulfill these UNH degree requirements...
ELET 121 – Digital Circuits I	Elective credit
ELET 131 – Circuit Analysis I	Elective credit
ENGL 101 – College Composition	Discovery writing skills course
MATH 110 – Algebra and Trigonometry	No transfer credit
PSYC 130 – Human Relations	Discovery social science course
ELET 132 – Circuit Analysis II	Elective credit
ELET 141 – Electronics I	Elective credit
ENGL 103 – Prof. Writing and Presentations	Elective credit
MATH 120 – Pre-calculus	Elective credit
CSCI 175 – Intermediate Programming C++	Computer programming requirement
ELET 250 – Microcontrollers	Elective credit
ELET 241 – Electronics II	Elective credit
HUMA 230 – Ethics in the Workplace	Elective credit
MATH 210 – Calculus I	Discovery quantitative reasoning course
PHYS 130 – Physics I	Discovery physical science course
ELET 221 – Advanced Digital Circuits	Elective credit
ELET 274 – ELET Capstone Project	Elective credit
PHYS 131 – Physics II	Elective credit
ELET 245 – Communications Theory and/or MATH 211 – Calculus II	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 NCC, complete the following requirements at UNH Manchester to receive your bachelor's degree.

### Major Course Requirements:

ET 625 – Technical Communications

ET 630 – Analytical Methods in Technology<sup>1</sup>

ET 671 – Digital Systems

ET 674 – Control Systems and Components

ET 677 – Analog Systems

ET 680 – Communication and Fields

ET 697 – Topics in Electrical Engineering Technology

ET 733 – Business Organization and Law

ET 734 – Economics of Business Activities

ET 781 – Automation Engineering

ET 788 – Introduction to Digital Signal Processing

ET 791 – Electrical Engineering Technology Project<sup>2</sup>

1. ET 630 can be waived if MATH 211 – Calculus II, is successfully completed, but ET 630 would be beneficial as it covers topics outside calculus.
2. ET 791 is a two-semester Senior Capstone Project.

### Discovery Program\* Course Requirements:

Discovery biological sciences course

Discovery world cultures course

Discovery environment, technology and society course

Discovery historical perspectives course

Discovery fine and performing arts course

Discovery humanities course

### University Degree Requirements:

Elective courses to fill remaining 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 64 credits in transfer from 2-year institutions. Only courses completed with a grade of C or better will be accepted as transfer credits.
- Students must earn a minimum overall grade point average of 2.50 at NCC to be eligible for dual enrollment at UNH Manchester.

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

## The NCC courses\* listed below fulfill UNH Manchester's Discovery Program course requirements:

### Writing Skills

ENGL 101N – College Composition  
ENGL 110N – Honors Expository Writing

### Quantitative Reasoning

CSCI 161N – Intro to Programming Using Visual Basic  
CSCI 175N – Intermediate Programming Using C++  
MATH 106N – Statistics I  
MATH 115N – Finite Mathematics  
MATH 170N – Discrete Mathematics  
MATH 206N – Statistics II  
MATH 210N – Calculus I  
MATH 214N – Honors Calculus I

### Biological Science

BIOL 105N – Biology in Focus I  
BIOL 106N – Biology in Focus II

### Biological Science/DLAB

BIOL 107N – Principles in Biology I  
BIOL 108N – Bio II: An Evolutionary Journey  
BIOL 111N – Basic Human Anatomy & Phys.  
BIOL 130N – Anatomy and Physiology I  
BIOL 131N – Anatomy and Physiology II  
BIOL 201N – Adv. Anatomy and Physiology I  
BIOL 202N – Adv. Anatomy and Physiology II  
BIOL 215N – Microbiology

### Physical Science/DLAB

ENVS 105N – Earth Science  
CHEM 110N – Intro to Chemistry  
CHEM 130N – General Chemistry I  
CHEM 131N – General Chemistry II  
CHEM 135N – Honors Environment in Chemical Perspective  
PHYS 101N – Physical Science I  
PHYS 102N – Physical Science II  
PHYS 115N – Astronomy  
PHYS 116N – Meteorology  
PHYS 130N – Physics I  
PHYS 131N – Physics II  
PHYS 230N – Calculus-Based Physics I

PHYS 231N – Calculus-Based Physics II

### Environment, Technology & Society

ENVS 101N – Environmental Science  
SOCI 215N – Sociology of Technology

### Historical Perspectives

HIST 101N – Western Civ. Ancient to 17 Century  
HIST 102N – Western Civ. Since French Revolution  
HIST 110N – Ancient Civ. of the World  
HIST 140N – US History Colonial to Reconstruction  
HIST 141N – US History since Reconstruction  
HIST 210N – History of Modern America  
HIST 232N – History of Modern Asia  
HIST 241N – American Constitutional History  
HIST 246N – Modern America  
HIST 260N – History of Multiculturalism  
HIST 265N – Latin Amer. History from Independence to the Present

### World Culture

ANTH 110N – Cultural Anthropology  
ANTH 263N – Intro to Chinese Culture & Society  
GEOG 110N – World Regional Geography  
SPAN 206N – Spanish IV

### Fine and Performing Arts

ARTS 101N – Intro to Drawing  
ENGL 220N – Contemporary Dramatic Literature  
HUMA 102N – Art Appreciation  
HUMA 103N – Music Appreciation  
HUMA 104N – Jazz and Its Roots  
HUMA 120N – Intro to Theatre

### Social Science

ANTH 108N – Intro to Archeology  
ECON 201N – Microeconomics  
ECON 202N – Macroeconomics  
GEOG 130N – Human Geography

POLS 101N – Intro to Political Science  
POLS 102N – American Gov't and Politics  
POLS 210N – State and Local Government  
POLS 220N – American Politics and Mass Media  
PSYC 101N – Intro to Psychology  
PSYC 130N – Human Relations  
PSYC 201N – Human Growth and Development  
SOCI 101N – Intro to Sociology  
SOCI 201N – Contemporary Social Problems  
SOCI 228N – Social Inequalities

### Humanities

ENGL 105N – Intro to Literature  
ENGL 215N – Literature by American Women  
ENGL 230N – British Literature I  
ENGL 231N – British Literature II  
ENGL 240N – American Literature I  
ENGL 241N – American Literature II  
ENGL 255N – Honors Humor in Literature and Other Media  
HIST 262N – Movies & Social History of USA  
HUMA 101N – Intro to the Humanities  
HUMA 107N – World Religions  
HUMA 140N – American Cinema  
HUMA 145N – American Popular Culture  
HUMA 220N – Classic Myths in Western Civilization  
PHIL 130N – Honors Ancient Greek Philosophy  
PHIL 109N – Intro to Philosophy

### Writing Intensive

ENGL 101N – College Composition I  
ENGL 102N – Writing About Literature  
ENGL 105N – Intro to Literature  
ENGL 235N – Poetry Workshop  
ENGL 250N – Honors Advance Creative Writing



### 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.