Computer Information Systems Public Pathways Program

We have partnered with NHTI to offer a Pathways Program that allows you to smoothly transition to UNH Manchester. This curriculum map shows you the MCC course sequence you should follow for seamless transfer into our B.S. in Computer Information Systems at UNH Manchester.

<table>
<thead>
<tr>
<th>Students must take these courses at NHTI ...</th>
<th>To fulfill these UNH degree requirements...</th>
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</thead>
<tbody>
<tr>
<td>ENGL 101 – College Composition</td>
<td>Discovery writing skills course</td>
</tr>
<tr>
<td>IST 102 – PC Applications ¹</td>
<td>Elective credit</td>
</tr>
<tr>
<td>IST 106 – IT Career Topics</td>
<td>Elective credit</td>
</tr>
<tr>
<td>IST 140 – Database Design and Management</td>
<td>Major concentration course</td>
</tr>
<tr>
<td>IST 151 – Introduction to Networks ²</td>
<td>Elective credit</td>
</tr>
<tr>
<td>MATH 124 – College Algebra</td>
<td>No transfer credit</td>
</tr>
<tr>
<td>ENGL 120 – Communications</td>
<td>Elective credit</td>
</tr>
<tr>
<td>IST 108 – Personal Computer Hardware and Software ¹</td>
<td>COMP 430 – System Fundamentals</td>
</tr>
<tr>
<td>IST 153 – Routing and Switching Essentials</td>
<td>Elective credit</td>
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<tr>
<td>MATH 125 – Finite Mathematics</td>
<td>Discovery quantitative reasoning course</td>
</tr>
<tr>
<td>ENGL 285 – Literature, Technology and Culture</td>
<td>Discovery environment, technology and society course</td>
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<tr>
<td>IST 251 – Scaling Networks ²</td>
<td>COMP 550 – Networking Concepts</td>
</tr>
<tr>
<td>IST 293 – IT Career Development</td>
<td>Major concentration course</td>
</tr>
<tr>
<td>Information Technology elective</td>
<td>Major concentration course</td>
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<tr>
<td>Discovery-approved social science</td>
<td>Discovery social science course</td>
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<tr>
<td>Discovery-approved biological or physical science</td>
<td>Discovery biological or physical science course</td>
</tr>
<tr>
<td>IST 253 – Connecting Networks</td>
<td>Elective credit</td>
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<tr>
<td>IST 263 – Security</td>
<td>Major concentration course</td>
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<tr>
<td>IST 267 – CCNA Voice</td>
<td>Elective credit</td>
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<tr>
<td>IST 294 – Senior IT Internship</td>
<td>Major concentration course</td>
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<tr>
<td>Discovery-approved fine arts</td>
<td>Discovery fine and performing arts course</td>
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</tbody>
</table>

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

1. Students must earn a C or better in both IST 102 and IST 108 to earn credit for COMP 430.
2. Students must earn a C or better in both IST 151 and IST 251 to earn credit for COMP 550.

Course titles, names and/or sequencing are subject to change.
If you are enrolled in the NH Dual Admission Program and/or plan to finish your associate degree at NHTI, complete the following requirements at UNH Manchester to receive your bachelor’s degree.

**Major Course Requirements:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 405</td>
<td>Introduction to Internet and Web Authoring</td>
</tr>
<tr>
<td>COMP 425</td>
<td>Computing Fundamentals</td>
</tr>
<tr>
<td>COMP 520</td>
<td>Database Design and Development</td>
</tr>
<tr>
<td>COMP 525</td>
<td>Data Structures Fundamentals</td>
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<tr>
<td>COMP 560</td>
<td>Ethics and Law in the Digital Age (also fulfills Discovery humanities course)</td>
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<tr>
<td>COMP 715</td>
<td>Information Security</td>
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<tr>
<td>COMP 730</td>
<td>Object-Oriented Software Development</td>
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<tr>
<td>COMP 685</td>
<td>Professional Development Seminar (1 credit)</td>
</tr>
<tr>
<td>COMP 690</td>
<td>Internship Experience (4 credits)</td>
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<tr>
<td>COMP 790</td>
<td>Capstone Project</td>
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<tr>
<td>One major concentration course</td>
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</tr>
<tr>
<td>Three major elective courses</td>
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</tbody>
</table>

**Discovery Program* Course Requirements:**

- Discovery world cultures course
- Discovery biological or physical science course
- Discovery historical perspectives 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 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 NHTI to be eligible for dual enrollment at UNH Manchester.

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
- ENGL 101C – English Composition
- ENGL 120WC – Communicating Mindfully
- ENGL 201C – English Composition
- ENGL 295AC – Creative Writing: Fiction
- ENGL 295CC – Creative Nonfiction

**Fine and Performing Arts**
- DANC 140C – Intro to Modern Dance
- MUSC 105C – Intro to Music
- MUSC 106C – History of Jazz, Blues, Rock & Roll
- 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
- ECON 101C – Macroeconomics
- ECON 102C – Microeconomics
- ECON 104C – General Economics
- ECON 105C – Macroeconomics
- 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)
- World Cultures (WC)

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.*