Computer Information Systems Public Pathways Program

We have partnered with Great Bay Community College to offer a Pathways Program that allows you to smoothly transition to UNH Manchester. This curriculum map shows you the GBCC 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 GBCC …</th>
<th>To fulfill these UNH degree requirements…</th>
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</thead>
<tbody>
<tr>
<td>ENGL 110 – College Composition</td>
<td>Discovery writing skills course</td>
</tr>
<tr>
<td>IST 113 – Essentials PC Hardware and Software</td>
<td>COMP 430 – System Fundamentals</td>
</tr>
<tr>
<td>IST 122 – Introduction to Networking</td>
<td>Elective credit</td>
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<tr>
<td>MATH 150 – College Algebra</td>
<td>No transfer credit</td>
</tr>
<tr>
<td>Discovery-approved social science</td>
<td>Discovery social science course</td>
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<tr>
<td>IST 123 – Routing and Switching Essentials</td>
<td>COMP 550 – Networking Concepts</td>
</tr>
<tr>
<td>IST 150 – Network Operating Systems Fundamentals</td>
<td>Elective credit</td>
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<tr>
<td>IST 161 – Introduction to Information Assurance</td>
<td>Elective credit</td>
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<tr>
<td>ENGL 215 – Writing Technical Documents</td>
<td>Major concentration course</td>
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<tr>
<td>MATH 170 – Discrete Math</td>
<td>Discovery quantitative reasoning course</td>
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<tr>
<td>IST 151 – Windows Network Operating System</td>
<td>COMP 530 – Machine and Network Architecture</td>
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<tr>
<td>CIS 113 – Object-Oriented Programming</td>
<td>COMP 425 – Computing Fundamentals</td>
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<tr>
<td>IST 200-level elective</td>
<td>Major concentration course</td>
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<tr>
<td>Discovery-approved world cultures</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>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 122 and IST 123 to earn credit for COMP 550.
If you are enrolled in the NH Dual Admission Program and/or plan to finish your associate degree at GBCC, complete the following requirements at UNH Manchester to receive your bachelor’s degree.

**Major Course Requirements:**

- COMP 405 – Intro to Internet and Web Authoring (also fulfills Discovery environment, technology and society course)
- COMP 520 – Database Design and Development
- COMP 525 – Data Structures Fundamentals
- COMP 560 – Ethics and Law in the Digital Age (also fulfills Discovery humanities course)
- COMP 715 – Information Security
- COMP 730 – Object-Oriented Software Development
- COMP 690 – Internship Experience (4 credits)
- COMP 790 – Capstone Project
- UMST 582 – Internship and Career Planning Seminar (1 credit)

Three Major elective courses

**Discovery Program* Course Requirements:**

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

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

September 5, 2018
The Great Bay Community College courses* listed below fulfill UNH Manchester’s Discovery Program course requirements:

**Writing Skills**
- ENGL 110G – College Composition I

**Quantitative Reasoning**
- CIS 148G – Intro to Java Programming
- CIS 158G – Introduction to C++
- MATH 170G – Discrete Mathematics
- MATH 215G – Finite Mathematics
- MATH 225G – Probability & Statistics
- MATH 230G – Calculus I
- MATH 235G – Statistics for Engineers & Scientists

**Biological Science/DLAB**
- BIOL 101G – Human Disease
- BIOL 106G – Human Body
- BIOL 108G – Biology I
- BIOL 109G – Biology II
- BIOL 110G – Human Anatomy & Physiology I
- BIOL 120G – Human Anatomy & Physiology II
- BIOL 150G – Nutrition
- BIOL 160G – Intro to Environmental Science
- BTEC 105G – Intro to Biotechnology

**Physical Science**
- CHEM 110G – Introduction to Chemistry
- CHEM 115G – General Chemistry
- CHEM 116G – General Chemistry II
- ECSI 110G – Earth Science
- PHYS 135G – College Physics I
- PHYS 136G – College Physics II
- PHYS 290G – University Physics I
- PHYS 295G – University Physics II

**Environment, Technology & Society**
- BTEC 205G – Bioethics
- NATR 105G – Sustainable Agriculture & Food Systems
- NATR 229G – Contemporary Conservation Issues & Environmental Awareness
- SOCI 120G – Society & Technological Change

**Historical Perspectives**
- HIST 120G – Western Civilization thru 1500
- HIST 130G – Western Civilization 1500-Pres
- HIST 201G – History of New England
- HIST 202G – US History thru 1870
- HIST 204G – US History 1870 to Present
- HIST 212G – US History since 1945

**World Culture**
- ANTH 101G – Intro to Anthropology
- HIST 210G – History of China
- HIST 211G – Modern Middle East History

**Fine and Performing Arts**
- ARTS 103G – Fundamentals of Acting
- ARTS 105G – Introduction to Music
- ARTS 117G – Art History I
- ARTS 123G – Drawing I
- ARTS 124G – Art, Design & Color
- ARTS 125G – Visual Language
- ARTS 127G – Art History II
- ARTS 137G – Contemporary Art History
- DGMT 115G – Intro to Graphic Design

**Social Science**
- AMER 110G – Intro to American Studies
- ECON 234G – Macroeconomics
- ECON 235G – Microeconomics
- GEOG 110G – World Geography
- POLS 110G – American Government
- POLS 210G – Intro to Political Science
- PSYC 110G – Intro to Psychology
- PSYC 210G – Human Growth & Development
- SOCI 110G – Sociology
- SOCI 135G – Sociology of Gender
- SOCI 250G – Multi-Ethnic Cross Cultural Relations

**Humanities**
- ENGL 117G – Introduction to Literature
- ENGL 120G – Introduction to African-American Literature & Culture
- ENGL 200G - Film and Society
- ENGL 209G – American Literature through the Civil War
- ENGL 212G – Sociology of Gender
- ENGL 220G – American Literature after the Civil War
- ENGL 222G – Major Writers
- ENGL 223G – British Literature to 1800
- ENGL 224G – British Literature from 1800-Present
- ENGL 225G – Plays of William Shakespeare
- PHIL 110G – Introduction to Philosophy
- PHIL 215G – World Religions
- PHIL 240G – Ethics

**Writing Intensive**
- ENGL 110G – College Composition I
- ENGL 213G – Creative Writing
- ENGL 214G – Introduction to Creative Nonfiction (formerly College Composition II)

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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)²; Physical Science (PS)²; Environment, Technology and Society (ETS); Fine and Performing Arts (PPA); Historical Perspectives (HP); Humanities (HUMA); Social Science (SS) and World Cultures (WC)²

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.*

November 2, 2016