University of New Hampshire at Manchester

Great Bay Community College

Academic Year 2018-2019

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.

Students must take these courses at GBCC …	To fulfill these UNH degree requirements…
ENGL 110 – College Composition	Discovery writing skills course
IST 113 – Essentials PC Hardware and Software	COMP 430 – System Fundamentals
IST 122 – Introduction to Networking [1]	Elective credit
MATH 150 – College Algebra	No transfer credit
Discovery-approved social science	Discovery social science course
IST 123 – Routing and Switching Essentials [1]	COMP 550 – Networking Concepts
IST 150 – Network Operating Systems Fundamentals	Elective credit
IST 161 – Introduction to Information Assurance	Elective credit
ENGL 215 – Writing Technical Documents	Major concentration course
MATH 170 – Discrete Math	Discovery quantitative reasoning course
IST 151 – Windows Network Operating System	COMP 530 – Machine and Network Architecture
CIS 113 – Object-Oriented Programming	COMP 425 – Computing Fundamentals
IST 200-level elective	Major concentration course
IST 200-level elective	Major concentration course
IST 200-level elective	Major concentration course
Discovery-approved world cultures	Discovery world cultures course
IST 200-level elective	Major concentration course
IST 200-level elective	Major concentration course
IST 200-level elective	Major elective course
Discovery-approved biological or physical science	Discovery biological or physical science course
Discovery-approved fine arts	Discovery fine and performing arts course

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.

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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.

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)

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[1] (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 (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.

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

November 2, 2016