INFORMATION TECHNOLOGY (IT)

Degree Offered: M.S.

This program is offered in Manchester.

The Department of Applied Engineering and Sciences at UNH Manchester offers a master of science in information technology (M.S. IT). The program prepares students for a professional IT or computing-related career and for advanced studies in a computing discipline.

The program is designed for a broad and diverse audience of computing professionals determined to advance their careers, working adults seeking a career change, and qualified candidates with strong interest in the IT field. The learning environment of the M.S. IT program combines in-class and online learning activities, emphasizes collaboration and communication among peers, and integrates practice with computing technologies and authentic project experiences.

Courses are offered year around in fall, spring, and summer terms. Classes are scheduled during the day and in the evening to meet the needs of both full-time and part-time students. If enrolled part-time and taking, on average, two courses per term, students can complete the program in two years.

Upon graduation students will be able to:

1. Apply core and advanced information technologies to help organizations achieve their goals.
2. Develop, apply, integrate, operate, and manage secure IT systems and services.
3. Identify, analyze, and develop plans to meet the IT needs of a large spectrum of users, from end users of computing systems to managers of enterprise applications and developers of IT solutions.

Admission Requirements

Applicants must meet the admission standards of the UNH Graduate School and have a bachelor’s degree in a computing discipline: computer science, information technology, computer information systems, information sciences, computer engineering, or software engineering. Students with undergraduate degrees in other fields are also welcome. The minimal formal coursework required of students without a bachelor’s degree in computing includes: programming and data structures, machine and network architecture, networking, and database design and development.

Students are able to satisfy the program’s prerequisites at by taking the following undergraduate courses at UNH Manchester:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 520</td>
<td>Database Design and Development</td>
<td>4</td>
</tr>
<tr>
<td>COMP 525</td>
<td>Data Structures Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>COMP 530</td>
<td>Machine and Network Architecture</td>
<td>4</td>
</tr>
<tr>
<td>COMP 550</td>
<td>Networking Concepts</td>
<td>4</td>
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The selection of prerequisite courses depends on the student academic and professional experience.

https://manchester.unh.edu/academics/degree-programs/information-technology

Programs

- Cybersecurity Engineering (M.S.) (http://catalog.unh.edu/graduate/programs-study/information-technology/cybersecurity-engineering-ms)
- Information Technology (M.S.) (http://catalog.unh.edu/graduate/programs-study/information-technology/information-technology-major-ms)

Faculty

See https://manchester.unh.edu/academics/degree-programs/information-technology#unhstyleCollapsePane73 for faculty.