INFORMATION TECHNOLOGY (M.S.)

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

Description

The Master of Science in Information Technology (MS IT) program prepares students for a professional IT or computing-related career and for advanced studies in a computing discipline. Designed for people with a strong interest in computing technology as well as working IT professionals, the program gives students the flexibility to enroll full- or part-time. For diligent undergraduate students, this program is also available as an Accelerated Master's Program.

Requirements

Degree Requirements

The M.S. IT program has two options: thesis and project.

Both options require completion of 33 credits (11 courses), including:

- Five core information technology courses (18 credits) and
- Two IT integration courses (6 credits).

In addition,

M.S. Thesis option requires

- Two elective course (6 credits) and
- COMP 899 Master's Thesis (6 credits)to be completed under the supervision of a thesis adviser and a thesis committee of at least three members.

M.S. Project option requires

- Three elective courses (9 credits)
- COMP 898 Master's Project (3 credits) to be completed under the supervision of a faculty adviser.

Core IT Courses

COMP 805	Web Application Development	3
COMP 815	Information Security	3
COMP 820	Database Systems and Technologies	3
COMP 830	Object-Oriented Software Development	3
COMP 835	Networking Technologies	3
IT Integration Courses		
COMP 851	System Integration and Architecture	3
COMP 890	Internship	1-3
Elective Courses		6-9
Select two or more elective courses (depending on concluding experience option) from other graduate computing courses offered in the program [1]		
Concluding Experience		
Complete the thesis or project option		
COMP 898	Master's Project [2]	3
COMP 899	Master's Thesis	6

[1] Because of the applied and professional nature of this program, students are encouraged to consider electives in application domains of IT, such as analytics, business, education, engineering, management, public health, software development, and more. For students seeking a career change or with an interest in a particular domain of IT, we recommend the COMP 890 Internship.

[2] The project course typically deals with an authentic project or problem to solve, which is integrative in nature and requires IT research.