INFORMATION TECHNOLOGY MAJOR

OVERVIEW

The Information Technology major is a jointly offered program between the College of Management (CM) and the College of Science and Mathematics (CSM) at the University of Massachusetts Boston, resulting in a Bachelor of Science degree. The IT major consists of a common core of eleven courses, a track of four to six courses in a particular area of specialization, and professional electives.

PROFESSIONAL DEVELOPMENT & CAREER PREPARATION

The Information Technology major is designed to offer a topnotch academic program that addresses IT workforce needs. This degree provides a pathway from the bachelors degree to IT positions in the public and private sectors, profit and nonprofit. Exercises assigned throughout the major are designed to be the kind that a student might encounter in his or her work: collaboration, competence, and outcomes assessment – which are hallmark characteristics of the program.

Students complement their IT major with professional elective courses that allow them to explore various industries or fields in which they may choose to apply their IT skills and knowledge upon graduation. Students also work with faculty and career services staff to prepare for a position related to their chosen track and career field.

TRACK OPTIONS

Students MUST choose one, but can choose more than one

- **Business Intelligence** (4 courses, 12 credits)
- **Computer Forensics** (5 courses, 15 credits)
- **Information Architecture** (4 courses, 12 credits)
- **System Administration** (4 courses, 12 credits)
INFORMATION TECHNOLOGY DEGREE REQUIREMENTS

Successful completion of all requirements, earning a minimum of 120 Credits, and minimum GPA of 2.0

GENERAL EDUCATION & NON-BUSINESS REQUIREMENTS

Non-Business Foundation Courses
- ENGL 101 Freshman Composition I
- ENGL 102 Freshman Composition II
- ECON 101 Microeconomics
- ECON 102 Macroeconomics
- MATH 134 Managerial Calculus

Writing Proficiency Course
- BC 290 Business Communications

First Year Seminar Course

Areas of Knowledge Distribution
- 2 Arts or Humanities courses
- 2 Social Behavioral Science courses
- 2 Natural Science courses
- 1 World Language or World Culture course

International Management Course

Diversity Course
* 4 courses from the above categories must be at the 200 level or above.

INFORMATION TECHNOLOGY REQUIREMENTS

Information Technology Core Courses
- IT 110 IT Problem Solving
- IT 111L Managerial Statistics
- IT 116 Introduction to Scripting
- IT 117 Intermediate Scripting
- IT 230L Relational Databases
- IT 240 Web Fluency
- IT 244 Introduction to Linux/Unix
- IT 246 Introduction to Networks
- IT 285L Societal Issues and Ethics in Computing
- IT 425L Project Management
- IT 485 IT Capstone

Track Courses
- Four or five to courses depending on selected track.

Professional Electives
- Three courses from selected offerings from the following departments: Accounting, Finance, Biology, Computer Science, Management, Management Information Systems, Marketing, Philosophy or Psychology

General Electives
- Additional courses to bring the total number of credits to 120

https://business.umb.edu/undergraduate-programs/new-students