

# 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