

# Management Information Systems

## Bachelor of Science Degree in Management Information Systems

Total credits required: **120** (minimum)

### A. MIS Major Course Requirements: 17 courses (66 credits)

#### 1. Computer Science: 9 courses (36 credits)

CS2510	Computer Programming I	4
CS2511	Computer Programming II	4
CS3611	Advanced C#	4
CS4100	Technical Communications	4
CS4501	Software Engineering	4
CS4550	Database Management Systems	4
CS4720	Internet and Web Technologies	4
CS5710	Computer Networks	4
CS5910	System Design & Implementation	4

#### 2. Business: 4 courses (14 credits)

BU3502	Principles of Accounting I	3
BU3511	Principles of Accounting II	3
BU3800	Marketing: Principles and Concepts	4
BU4110	Organizational Behavior & Management	4

#### 3 Economics & Analytics: 2 of the following (8 credits)

PE2420	Principles of Microeconomics	4
PE2430	Principles of Macroeconomics	4
MA3250	Business Analytics	4

#### 4. Mathematics: 2 courses (8 credits)

##### 4a. One of the following:

MA2300	Calculus for Business & Economics	4
MA2310	Calculus & Analytic Geometry I	4
MA3030	Discrete Mathematics	4

##### 4b. One of the following

MA2000	Applied Statistics	4
MA3210	Intro. to Probability and Statistics	4

### B. Department Requirements

- A grade of **C** or higher is needed in all required computer science, business, economics, and mathematics courses.
- A minimum of **7** of the required major courses (**28** credits) at or above the **3000 level** must be completed at Old Westbury.

### C. Liberal Education Requirements

Refer to the Liberal Education Curriculum Guidelines

### D. General Elective Courses

In consultation with academic advisor, for a total of 120 credits

### E. College Wide Requirement

- **120** credits overall (40 credits at Old Westbury, may transfer a maximum of 80 credits)
- **45** Upper Division credits (3000, 4000, or 5000 level courses)
- **60** Liberal Arts credits
- Cumulative Grade Point Average of **2.0**

# Prerequisites Guide

<b>COURSE</b>		<b>PREREQUISITE</b> Grade of <b>C</b> or higher
<b>Computer Science</b>		
CS2510	Computer Programming I	MA1020
CS2511	Computer Programming II	CS2510
CS3611	Advanced C#	CS2510
CS4100	Technical Communications	Junior Standing in CIS/MIS, ECII
CS4501	Software Engineering	CS2511, CS3611 or CS3810, EC II
CS4550	Database Management Systems	CS2511, CS3611 or CS3810, EC I
CS4720	Internet and Web Technologies	CS4550
CS5551	MIS Topics	CS4550, EC II
CS5710	Computer Networks	CS4501 or CS4550, MA2000 or MA3210
CS5910	Systems Design & Implementation	CS4501, CS4550, CS4720, ECII
<b>Business &amp; Economics</b>		
PE2420	Principles of Microeconomics	EC II
PE2430	Principles of Macroeconomics	EC II
BU3502	Principles of Accounting I	MA1020
BU3511	Principles of Accounting II	BU3502
BU3800	Marketing: Principles and Concepts	EMS - English Mastery Satisfied
BU4110	Organizational Behavior & Management	EMS - English Mastery Satisfied
<b>Mathematics</b>		
MA2000	Applied Statistics	MA1010 or Placement Exam
MA2300	Calculus for Business & Economics	MA2080 or MA2090
MA2310	Calculus and Analytic Geometry I	MA2090
MA3030	Discrete Mathematics	MA2090 or MA2080
MA3210	Introduction to Probability & Statistics	MA2310 or MA2300
MA3250	Business Analytics	(MA2000 or MA3210) and (MA2080 or MA 2090)