Information Systems Management BS Degree Curriculum Chart 2007-2008

CMPS 12A #
Intro to Programming
(CMPS 12L recommended)

CMPS 12A
CMPS 12B
Data Structures
(CMPS 12M recommended)

CMPE 12/L ##
Computer Systems & Assembly Language

CMPE 12/L, CMPE 16
CMPE 150
Introduction to Computer Networks

CE 16, CS 12B/M, Math 19B or Econ 11B, Math 21 or 22 or 23A or 24 or AMS 27
CMPS 101
Algorithms and Abstract Data Types

Upper Division
School Of Engineering
Elective*

Upper Division
School of Engineering
Elective*

Upper Division
Economics
Elective*

Upper Division
Economics
Elective*

ISM 50†
Business Information Systems

IS Track
ISM 50
ISM 58
System Analysis/Design
AND
ISM 158
Business Strategy/Information Systems

MOT Track
Math 19B or AMS 11B
ISM 105
Management of Technology I
AND
ISM 105
Management of Technology II

ISTM Track
ISM 50
ISM 58
System Analysis/Design
AND
Math 19B or AMS 11B
ISM 105
Management of Technology I

ECON 1†
Microeconomics

ECON 2†
Macroeconomics

ECON 10A
Economics of Accounting

ECON 10A
Economics of Accounting

ECON 1
†
Microeconomics

ECON 2
†
Macroeconomics

ECON 10A
Economics of Accounting

ISM 50†
Business Information Systems

ISM 105
Management of Technology I
AND
ISM 105
Management of Technology II

ISM 58
System Analysis/Design

ECON 113
Econometrics

ECON 100A
Intermediate Microeconomics
OR
ECON 100M
Intermediate Microeconomics (Math Intensive)

ISM Track
ISM 50
ISM 58
System Analysis/Design
AND
ISM 158
Business Strategy/Information Systems

MOT Track
Math 19B or AMS 11B
ISM 105
Management of Technology I
AND
ISM 105
Management of Technology II

ISTM Track
ISM 50
ISM 58
System Analysis/Design
AND
Math 19B or AMS 11B
ISM 105
Management of Technology I

*See back

Comprehensive Requirement
Students must take CMPS 115 and either ISM 158 or ISM 105/205

= Course Prerequisite

*See back

Shaded boxes represent foundation courses

# Prerequisites: Eligibility to enroll in MATH 19A, MATH 19A or 11A, or AMS11A, or ECON 11A

## Prerequisites (one of): CMPE 3 or 8, CMPS 10, 12A, 60G, or 60N, BME 60, or programming experience

** Students taking the Math 19 series may attain permission from the instructor to enroll in ECON 113.

*** Students should not combine courses from the AMS and math sequences. Students who take Math 19A should take Math 19B. Students who take AMS 11A should take AMS 11B.

† Admissions to the major is based on ISM 50. ECON 1 & ECON 2 may be used for admission to the major by transfer students for whom ISM 50 is not articulated. All three classes are graduation requirements.
**School of Engineering Electives:**

For the two School of Engineering electives, your choices are any two upper division School of Engineering courses, with these exceptions: You can take either AMS 131 or CMPE 107, but not both, and at most one Independent Study with prior approval from the Department.

**Economics Electives List (for prerequisites and quarter(s) offered contact Economics Dept.):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>Econ 100B</td>
<td>Intermediate Macroeconomics</td>
</tr>
<tr>
<td>Econ 101</td>
<td>Managerial Economics</td>
</tr>
<tr>
<td>Econ 104</td>
<td>Is There Truth in Numbers?</td>
</tr>
<tr>
<td>Econ 115</td>
<td>Introduction to Management Sciences</td>
</tr>
<tr>
<td>Econ 130</td>
<td>Money and Banking</td>
</tr>
<tr>
<td>Econ 131</td>
<td>International Financial Markets</td>
</tr>
<tr>
<td>Econ 133</td>
<td>Security Markets and Financial Institutions</td>
</tr>
<tr>
<td>Econ 135</td>
<td>Corporate Finance</td>
</tr>
<tr>
<td>Econ 136</td>
<td>Business Strategy and Entrepreneurial Studies</td>
</tr>
<tr>
<td>Econ 138</td>
<td>Economics and Management of Technology and Innovations</td>
</tr>
<tr>
<td>Econ 139A</td>
<td>Economics of Electronic Commerce</td>
</tr>
<tr>
<td>Econ 139B</td>
<td>Electronic Commerce Strategy</td>
</tr>
<tr>
<td>Econ 161</td>
<td>Marketing</td>
</tr>
<tr>
<td>Econ 164</td>
<td>Economics and the Telecommunications Industry</td>
</tr>
</tbody>
</table>

**STUDENT’S NAME:**

**STAFF ADVISOR:**

**FACULTY ADVISOR:**