



# MANAGEMENT INFORMATION SYSTEMS

CURRICULUM: Suggested sequence for students admitted as of Fall 2019 – Present

## FRESHMAN YEAR

### First Semester

Microeconomics, ECON 101*	3
Calculus I, MATH 221 <sup>1</sup>	3
Business Computing, MISY 160*	3
Social & Behavioral Sciences Breadth	3
Basics of Business, BUAD 110 <sup>2</sup>	<u>3</u>
	<b>15</b>

### Second Semester

Seminar in Composition, ENGL 110*	3
Finite Math with Applications, MATH 230 <sup>1</sup>	3
Macroeconomics, ECON 103*	3
History & Cultural Change Breadth (HCC)*	3
Free Elective	<u>3</u>
	<b>15</b>

## JUNIOR YEAR

### First Semester

Introduction to Marketing, BUAD 301*	3
Service & Operations Management, BUAD 306*	3
Organizational Behavior, BUAD 309*	3
Principles of Finance, FINC 311*	3
Database Design & Implementation, MISY 330*	3
Free Elective	<u>1</u>
	<b>16</b>

### Second Semester

Oral Communication in Business, COMM 212 or Executive Presentations & Problem Solving, HOSP 230	3
Business Application Development II, MISY 350*	3
Social & Behavioral Sciences Breadth	3
Concentration Course <sup>*,3</sup>	3
Natural Sciences & Technology Breadth <sup>1</sup>	<u>3</u>
	<b>15</b>

## Credits

## SOPHOMORE YEAR

### First Semester

Accounting I (Financial), ACCT 207*	3
Business Information Systems, MISY 261* or MISY 225*	3
Basic Statistical Practice, STAT 200 <sup>1</sup>	3
Natural Sciences & Technology Breadth <sup>1</sup>	3
Creative Arts & Humanities Breadth (CAH)*	3
Free Elective	<u>1</u>
	<b>16</b>

### Second Semester

Accounting II (Managerial), ACCT 208*	3
Intro to Programming Business Apps, MISY 225* or MISY 261*	3
Fundamentals of Business Analytics, MISY 262	3
Business Telecommunication Networks, MISY 250*	3
CAH, HCC or Foreign Language	3
Free Elective	<u>1</u>
	<b>16</b>

## SENIOR YEAR

### First Semester

Data Analytics, MISY 408* or Enterprise Arch, MISY 450 <sup>4</sup>	3
MIS Elective <sup>*,5</sup>	3
Concentration Course <sup>*,3</sup>	3
Concentration Course <sup>*,3</sup>	3
Systems Analysis & Implementation, MISY 430*	<u>3</u>
	<b>15</b>

### Second Semester

Concentration Course <sup>*,3</sup>	3
MIS Elective <sup>*,5</sup>	3
CAH, HCC or Foreign Language	3
MIS Project Management, MISY 431 <sup>*,6</sup>	3
MIS Projects, MISY 432 <sup>*,7</sup>	<u>3</u>
	<b>15</b>

\*-Grade of "C-" or better required in these courses.

1-"C-" or better in one of these courses to also satisfy the Mathematics, Natural Sciences & Technology University breadth requirement.

2-Course satisfies the First-Year-Experience (FYE) requirement. Students that are exempt from the FYE requirement or completed an FYE at the University of Delaware prior to becoming an MIS major are not required to take BUAD 110, but will take a free elective instead.

3-Students must select a professional concentration from one (1) of the following areas: Accounting, Economics, Finance, Management, Marketing or Operations Management.

4-Students pursuing the optional Enterprise Systems track should complete MISY 450. Students pursuing the optional Business Analytics track should complete MISY 408. Students that choose not to pursue a track may take either course.

5-Any MISY course 300-level or above fulfills the MISY elective requirement, excluding MISY core requirements. Students pursuing the optional Enterprise Systems track should select two from MISY 305,380, or 427. Students pursuing the optional Business Analytics track should complete BUAD 345 and BUAD 445

6-Course satisfies the Discovery Learning Experience (DLE) requirement.

7-Course satisfies the Capstone requirement.



# REQUIREMENTS FOR MANAGEMENT INFORMATION SYSTEMS

(All requirements except free electives must be taken for a letter grade. Pass/Fail status courses may only count in free electives)

## University Requirements

- ENGL 110 – Seminar in Composition with a minimum grade of “C-” (3-credits).
- Multicultural Course (3-credits)
- First-Year-Experience (FYE): BUAD 110 – Basics of Business. Students that are exempt from the FYE requirement or completed an FYE at the University of Delaware prior to becoming an MIS major are not required to take BUAD 110, but will take a free elective instead.
- Discovery Learning Experience (DLE) (3-credits) MISY 431 fulfills this requirement.
- Capstone (1 to 3-credits). MISY 432 fulfills this requirement.
- University Breadth Requirements (12-credits) with a minimum grade of “C-”.

All students entering the University of Delaware as of fall 2010 are required to take a minimum of 12-credits of University breadth requirements, 3-credits each from courses designated as: Creative Arts and Humanities, History and Cultural Change, Social and Behavioral Sciences and Mathematics, Natural Sciences and Technology. Students must earn a minimum grade of “C-” or better. *Note that students must take breadth courses from four different areas (e.g., the four letter subject code ACCT, HIST, etc.). Students may not use a course that is cross-listed with a subject area that has already been used to satisfy a university breadth requirement. Students enrolled in a single major may not satisfy the breadth requirement with courses in the subject area of that major (e.g. chemistry majors may not use CHEM courses). Students who are enrolled in more than one major or degree are allowed to meet the University breadth requirement by taking approved breadth courses from within the subject areas of their majors. The requirements are subject to limitations above, however credit hours may be counted only once towards the credit hour minimum required for the degree. See the undergraduate catalog at [catalog.udel.edu](http://catalog.udel.edu) for the list of course options.*

## Degree Requirements

See the undergraduate catalog at [catalog.udel.edu](http://catalog.udel.edu) and then select “other content” under catalog search and search for “breadth requirements” for the specific list of courses.

**CAH - Creative Arts & Humanities (3-credits) (C-minimum grade)**

**HCC – History & Cultural Change (3-credits) (C- minimum grade)**

**Additional CAH, HCC or Foreign Language (6-credits)**

**Social and Behavioral Sciences (6-credits)**

Note: ECON 101, 103, BUAD 301 and 309 may NOT apply

**Mathematics, Natural Sciences and Technology (6-credits)**

Note: MATH 201, 221, 230, 241, STAT and CISC courses may NOT apply. Mathematics courses taken to fulfill the Mathematics Skills requirements below may not apply.

**Skills (15-credits)**

- 6-credits of Mathematics - MATH 221 or 241 and MATH 210 or 230 or MATH 241, 242 & 243.
- 6-credits of Statistics – STAT 200 and MISY 262.
- 3-credits of Communications – COMM 212 or HOSP 230



# REQUIREMENTS FOR MANAGEMENT INFORMATION SYSTEMS

(All requirements except free electives must be taken for a letter grade. Pass/Fail status courses may only count in free electives)

## Degree Requirements (cont'd)

### Free Electives (9-credits)

Free electives include any course subject to the following:

- A maximum of 2-credits of BHAN 120 may be applied
- Excess credits from any category above may be applied
- "0" level courses **may not** be counted toward the degree
- If a student elects to take an eligible free elective course Pass/Fail, a maximum of one P/F course (3 to 4-credits) may be taken each semester. This is in addition to courses offered only on a P/F basis

### Major Required Courses (60-credits)

- Students are required to earn a minimum grade of "C-" in the following courses: ECON 101, 103; ACCT 207, 208; BUAD 301, 306 & 309; FINC 311 and all MISY courses, Professional Concentration courses, and optional track courses if applied to MISY electives.

## Concentration Requirements

Students must complete all the required courses listed under chosen area of concentration as listed below.

### Accounting

- ACCT 315: Intermediate Accounting I
- ACCT 316: Intermediate Accounting II
- ACCT 327: Cost Accounting
- One course from:
  - ACCT 302: Accounting Information Systems
  - ACCT 413: Income Tax Accounting
  - ACCT 414: Advanced Federal Taxation
  - ACCT 415: Advanced Accounting
  - ACCT 417: Auditing
  - ACCT 425: Strategic Information Systems and Accounting

### Economics

- One course from:
  - ECON 251: Managerial Economics
  - ECON 300: Intermediate Microeconomic Theory
  - ECON 301: Quantitative Microeconomic Theory
- ECON 308: Banking and Monetary Policy
- ECON 360: Government Regulation of Business
- ECON 300 or 400-level

### Finance

- FINC 312: Intermediate Financial Management
- FINC 314: Investments
- FINC 300 or 400-Level, excluding FINC 311: Principles of Finance
- FINC 300 or 400-Level, excluding FINC 311: Principles of Finance



# REQUIREMENTS FOR MANAGEMENT INFORMATION SYSTEMS

(All requirements except free electives must be taken for a letter grade. Pass/Fail status courses may only count in free electives)

## Concentration requirements (cont'd)

### Management

- 3 courses from:
  - BUAD 421: Human Resource Management
  - BUAD 423: Negotiation and Conflict Resolution
  - BUAD 426: Leadership and Teams
  - BUAD 444: Small Business Management
- BUAD 441: Strategic Management

### Marketing

- 3 Courses from:
  - BUAD 302: Marketing Research
  - BUAD 470: Sales Management and Selling
  - BUAD 471: Advertising and Media Management
  - BUAD 474: Marketing Channels and Retailing
  - BUAD 475: International Marketing
  - BUAD 477: Digital Marketing
- BUAD 441: Strategic Management

### Operations Management

- BUAD 346: Analytical Decision Making
- BUAD 446: Planning Operations and Supply Chains
- BUAD 447: Data Analysis and Quality Control
- BUAD 449: Business Process Analysis

**Optional Tracks** – (Note – Courses may apply to the 6 credits of MISY electives, provided a “C-” minimum grade is earned). Students may choose to pursue one or both tracks, but a track is not required for the degree.

Business Analytics – (Students are not eligible to receive the Business Analytics minor).

- MISY 408: Data Analytics (taken above in the major required courses)
- BUAD 345: Data Visualization
- BUAD 445: Analytics Capstone

Enterprise Systems

- MISY 450: Enterprise Architecture (taken above in the major required courses)
- 2 courses from:
  - MISY 305: Information Security and Risk Management
  - MISY 380: Enterprise Resources Planning Systems
  - MISY 427: Management of Information Systems



ANY DEVIATION FROM THE ABOVE CURRICULUM REQUIRES APPROVAL OF THE UNDERGRADUATE PROGRAM  
ADVISOR FOR THE MIS MAJOR

"WHO'S MY ADVISOR?"

Please see [my.lerner.udel.edu](http://my.lerner.udel.edu) for a list of advisors by major.

Note: Many students take courses through the winter and summer sessions to reduce their regular semester course load. These special sessions normally offer only introductory level courses. If you want to take a course somewhere other than UD, be sure to get the course pre-approved by the department offering the equivalent course and your College's Assistant Dean. You will need a copy of the course description and/or syllabus. The College or University must be AACSB accredited if the course is in business.



# MANAGEMENT INFORMATION SYSTEMS MAJOR CHECKSHEET

For students admitted to the University as of Fall 2019 – Present

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

<u>Course</u>	<u>Credits</u>	<u>Grade</u>	<u>Semester</u>
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Creative Arts and Humanities (CAH)			
* _____	3	_____	_____

History and Cultural Change (HCC)			
* _____	3	_____	_____

Additional CAH HCC or Foreign Language			
_____	3	_____	_____
_____	3	_____	_____

Social and Behavioral Sciences			
(Note: ECON 101 and 103, BUAD 301 and 309 may not apply)			
_____	3	_____	_____
_____	3	_____	_____

Mathematics, Natural Sciences and Technology			
(Note: MATH 201, 221, 230, 241, STAT & CISC courses may not apply)			
<sup>1</sup> _____	3	_____	_____
<sup>1</sup> _____	3	_____	_____

<b>Skills</b>			
*ENGL 110	3	_____	_____
COMM 212 or HOSP 230	3	_____	_____
<sup>1</sup> STAT 200	3	_____	_____
MISY 262	3	_____	_____
<sup>1</sup> MATH 221	3	_____	_____
<sup>1</sup> MATH 230	3	_____	_____

<b>Free Electives</b>			
<sup>2</sup> BUAD 110	3	_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
_____		_____	_____
	9		

Total Credits: 123

<u>Course</u>	<u>Credits</u>	<u>Grade</u>	<u>Semester</u>
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<b>Core Courses</b>			
*ACCT 207	3	_____	_____
*ACCT 208	3	_____	_____
*BUAD 301	3	_____	_____
*BUAD 306	3	_____	_____
*BUAD 309	3	_____	_____
*ECON 101	3	_____	_____
*ECON 103	3	_____	_____
*FINC 311	3	_____	_____
*MISY 160	3	_____	_____
*MISY 225	3	_____	_____
*MISY 250	3	_____	_____
*MISY 261	3	_____	_____
*MISY 330	3	_____	_____
*MISY 350	3	_____	_____
*MISY 430	3	_____	_____
* <sup>3</sup> MISY 431	3	_____	_____
* <sup>4</sup> MISY 432	3	_____	_____
* <sup>5</sup> MISY 408 or 450	3	_____	_____

<b>MIS Electives</b>			
* <sup>5</sup> _____	3	_____	_____
* <sup>5</sup> _____	3	_____	_____

<b>Professional Concentration</b>			
Select a professional concentration from one (1) of the following areas: ACCT, ECON, FINC, MGMT, MKT or OM			
* <sup>6</sup> _____	3	_____	_____
* <sup>6</sup> _____	3	_____	_____
* <sup>6</sup> _____	3	_____	_____
* <sup>6</sup> _____	3	_____	_____

\*Grade of "C-" or better required  
<sup>1</sup>Grade of "C-" or better required in one (1) of these courses to satisfy the MNST requirement  
<sup>2</sup>Course satisfies the FYE requirement  
<sup>3</sup>Course satisfies the DLE requirement  
<sup>4</sup>Course satisfies the Capstone requirement  
<sup>5</sup>MISY electives are 300-level or above courses, excluding the MISY core. See footnote #4 on front page.  
<sup>6</sup>See page 3 for list of concentration courses



## UNIVERSITY REQUIREMENTS CHECK SHEET

University requirements may also fulfill major requirements; however, credit hours may be counted only once towards the credit hour minimum required for the degree.

<u>Requirement</u>	<u>Credits</u>	<u>Grade</u>	<u>Semester</u>
1. <b>First-year-Experience (FYE) Requirement</b> – click on the link for a list of approved FYE courses: <a href="#">FYE Requirement</a> Course: _____	_____	_____	_____
2. <b>Writing Requirement (“C-” minimum grade)</b> ENGL 110	3	_____	_____
3. <b>Multicultural Requirement (3-credits)</b> – this course must be taken for standard grading Course: _____	3	_____	_____
4. <b>Discovery Learning Experience (DLE) Requirement (3-credits)</b> – Click on the link for a list of approved DLE courses: <a href="#">DLE Requirement</a> Course: MISY 431 Course: _____ Course: _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
5. <b>Capstone (1 to 3-credits)</b> Course: MISY 432	_____	_____	_____
6. <b>University Breadth Requirements (12-credits) – “C-” minimum grade</b> <b>All students entering the University of Delaware as of Fall 2010</b> are required to take a minimum of 12-credits of University breadth requirements: 3-credits each from courses designated as Creative Arts and Humanities, History and Cultural Change, Social and Behavioral Sciences and Mathematics, Natural Sciences and Technology. Students must pass these courses with a grade of “C-” or better. Note that students must take breadth courses from four different subject areas (e.g., the four letter subject code ACCT, HIST, etc.). Students may not use a course that is cross-listed with a subject area that has already been used to satisfy a university breadth requirement. Students enrolled in a single major may not satisfy the breadth requirement with courses in the subject area of that major (e.g. chemistry majors may not use CHEM courses). Students who are enrolled in more than one major or degree are allowed to meet the University breadth requirement by taking approved breadth courses from within the subject areas of their majors. The requirement may be fulfilled through a course or courses taken to complete other degree requirements, subject to the limitations above; however, credit hours may be counted only once towards the credit hour minimum required for the degree. See the undergraduate catalog at <a href="http://catalog.udel.edu/">http://catalog.udel.edu/</a> for the list of course options.			
<b>Creative Arts and Humanities (3-credits) – “C-” minimum grade</b> Course: _____			
<b>History and Cultural Change (3-credits) – “C-” minimum grade</b> Course: _____			
<b>Social and Behavioral Sciences (3-credits) – “C-” minimum grade</b> Course: _____			
<b>Mathematics, Natural Sciences and Technology (3-credits) – “C-” minimum grade</b> Course: _____			
7. <b>Residency Requirement (check one):</b>	_____	The first 90 of 100 credits completed at UD	
	_____	The last 30 of 36 credits completed at UD	