

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION SYSTEMS

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Catalog AY18-19

MAJOR MAP

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS

Purpose Statement: This degree prepares students for careers in programming, product analysis, and management of computer information systems; the degree allows students the freedom and flexibility to select a minor (such as business, GIS, graphic design, leadership, or statistics) to complement their studies in information systems.

	Credit Hours
University Graduation Requirements – BS	
LE 100 First-Year Seminar (<i>first-time freshman only; waived for transfer students</i>)	3
EN 306 Professional Writing in the Disciplines, or departmental equivalent	3
University Liberal Education Requirements	
EN 105 First-Year Writing Seminar I	3
EN 106 First-Year Writing Seminar II	3
CS 140 Introduction to Computers, or higher CS course, or departmental equivalent (will be satisfied in core)	*
MA 120 Basic Concepts of Statistics, MA 135 College Algebra, or higher MA course (will be satisfied in core)	*
Communication requirement (CA 103 Oral Communication, CA 105 Introduction to Human Communication, or TH 105 Oral Communication)	3
Citizenship requirement	3
Ethics requirement	3
Science course that has a lab	4
LE Natural and Physical Science Elective (<i>except computer science</i>)	3
LE Social Science Elective	6
LE Arts & Humanities Elective	6
LE 300 Seminar in Integrative and Interdisciplinary Learning	3
Requirements for the Major	
CS 151 Introduction to Programming or CS 152 Introduction to Python Programming	3
CS 208 Discrete Mathematics	3
CS 240 Web Programming I	3
CS 300 Technology in a Global Society	3
CS 365 Computer Networking	3
IS 205 Managing Information Systems	3
IS 310 Business Applications	
IS 315 Computer Systems Analysis and Design I	3
IS 316 Computer Systems Analysis and Design II	3
IS 361 Data Management Concepts	3
IS 370 Information Security (only offered online)	3
MA 120 Basic Concepts of Statistics	3
Required Minor	

This guide is not a substitute for academic advisement.

Required Minor – Students must select a complementary minor of their choice (students may select any minor, except the Information and Computer Science minor or the Business Administration/Computer Information Management minor). Suggested minors include: Business Administration/Management, Business Administration/Health Care, Geographic Information Systems (GIS), Graphic Design, Leadership, Organizational Communication, Statistics	18-21
Additional Courses	
Additional courses in or outside of the major. You need at least 12 cr. 300/400-level courses from here and the Required Minor set.	20-23
TOTALS	120

Recommended Schedule

First Year – Fall (15 cr.)	First Year – Spring (15 cr.)
CS151 or CS152† MA120* LE100 EN105 Pick 1 LE course.	CS208 IS205 EN106 Pick 1 LE course. Pick 1 course from the Communication, Citizenship, and Ethics categories.
Second Year – Fall (15 cr.)	Second Year – Spring (16 cr.)
CS240 IS315 Pick 2 LE courses. Pick 1 course from the Communication, Citizenship, and Ethics categories.	CS300 IS316 Pick 1 minor course. Pick 1 LE course. Pick 1 science course that has a lab (4 cr.).
Third Year – Fall (15 cr.)	Third Year – Spring (15 cr.)
CS365 EN306 Pick 2 minor courses. Pick 1 course from the Communication, Citizenship, and Ethics categories.	IS370 Pick 2 minor courses. Pick 2 additional course.
Fourth Year – Fall (15 cr.)	Fourth Year – Spring (14 cr.)
IS361 LE300 Pick 2 minor courses. Pick 1 additional course.	Pick 5 additional courses.

† Take CS144 (online), CS145, or CS147 if not ready to take CS151/152.

* Take Park's math placement test ASAP to know whether you need to take MA125, which is a prerequisite for CS208. Take MA125 here instead if you need it; consequently, push MA120 to fall second year and move one LE course down to the last semester. MA125 may be counted as one of the additional courses.

Prerequisite Tree



B.S. in Information Systems

 Major Courses
 Not required for Major
 Required Minor

