B.A. in Computer Information Systems

Click on the course number to view course title and description.

Code	Title	Semester Hours
BA in Computer Information Systems Degree Plan (120 hours)		
Core Requirements (42 hours)		
First Year Seminar		3
FYE 1301	First Year Seminar	
Freshmen Composition I		3
EN 1311	Rhetoric and Composition	
or EN 1313	Rhetoric and Composition for International Students	
Literature		3
Any EN 23XX literature course		
History		3
Any 1000, 2000, or 3000-level HS course		
Social Science		
Satisfied by EC 2301 and EC 2303 in the courses required for this major.		
Mathematics		
Satisfied by MT 2303 in the courses required for this major.		
Natural or Physical Sciences		3
Select one: BL 1301, BL 1302, BL 3311, CH 1303, CH 1401, CH 1402, ES 1300, ES 1301, ES 1302, ES 1303, ES 1304, ES 1305, ES 1373, PY 1300, PY 1310, PY 1401, PY 1402 (SMC 1312 will meet this requirement)		
Fine Arts		3
Select any 3 hrs. of the following: Art (AR), Drama (DM), Music (MU) or MU 1300		
Foreign Language and International Engagement		6
This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams		
Philosophy - Self		3
PL 1301	Introduction to Philosophy	
(SMC 1311 will meet this requirement)		
Philosophy - Ethics		3
PL 2301	Foundations of Ethics	
(SMC 2301 will meet this requirement)		
Theology - God		3
TH 1301	Introduction to Theology	
(SMC 1314 will meet this requirement)		
Intermediate Theology		3
Any TH 33xx course		
Computer Science Major Courses (54 hours)		
MT 1305	Finite Mathematics	3
MT 2306	Business Statistics	3
MT 2323	Discrete Math Structures	3
CS 1310	Programming I in C	3
CS 1311	Data Structures	3
CS 2110	Sophomore CS Seminar	1
CS 2313	Object Oriented Programming I	3
CS 2315	Algorithms	3
CS 2323	Object Oriented Programming II	3
CS 2350	Computer Architecture	3

CS 43XX - CS Elective		3
CS 3110	Junior CS Seminar	1
CS 3310	Intro to Systems Analysis and Design	3
CS 3320	Files and Database	3
CS 3330	Computer Networks	3
CS 3335	Survey of Programming Languages	3
CS 3340	Software Engineering	3
CS 3350	Operating Systems	3
CS 4110	Senior CS Seminar	1
CS 4395	Senior Project	3
Business Courses (15 hours)		
AC 2301	Financial Accounting	3
AC 2302	Managerial Accounting	3
EC 2301	Introductory Macroeconomic Theory	3
EC 2303	Introductory Microeconomic Theory	3
Business 3000+ Elective (FN 3310 or MK 3310 are recommended)		3
Electives (15 hours)		**15**
An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.		
Total Semester Hours		**120**

This is a recommended degree plan subject to changes. Please meet with your advisor on a regular basis.

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First Year

Fall	Semester Hours	Spring	Semester Hours
FYE 1301	3	CS 1311	3
EN 1311	3	MT 2306	3
CS 1310	3	Fine Arts	3
MT 1305	3	Literature	3
Elective	3	Elective	3
	15		**15**

Second Year

Fall	Semester Hours	Spring	Semester Hours
CS 2110	1	CS 2323	3
CS 2313	3	CS 2350	3
CS 2315	3	AC 2302	3
PL 1301	3	PL 2301	3
AC 2301	3	Natural or Physical Sciences	3
MT 2323	3		
	16		**15**

Third Year

Fall	Semester Hours	Spring	Semester Hours
CS 3110	1	CS 3330	3
CS 3310	3	CS 3340	3
CS 3320	3	EC 2303	3
EC 2301	3	Foreign Language	3
TH 1301	3	Advanced Theology	3
Foreign Language	3		
	16		**15**

Fourth Year

Fall	Semester Hours	Spring	Semester Hours
CS 3335	3	CS 4395	3
CS 3350	3	Business Elective 3000+	3
CS 4110	1	Elective	3
CS 43XX Elective	3	Elective	3
History	3	Elective	3
	13		**15**

Total Semester Hours 120