

COMPUTER SCIENCE AND INFORMATION SYSTEMS B.S.

All students must meet the University Requirements.

A minimum of 120 credits are required and must include the following:

Computer Science (minimum forty-four credits)		
Recommended:		
CS 050	Seminar for New CS Majors	1
Core:		
CS 008	Intro to Web Site Development	3
CS 021	Computer Programming I ¹	3
CS 064	Discrete Structures	3
CS 110	Intermediate Programming ¹	4
CS 120	Advanced Programming	3
CS 121	Computer Organization	3
CS 124	Data Structures & Algorithms	3
CS 148	Database Design for the Web	3
CS 224	Algorithm Design & Analysis	3
CS 292	Senior Seminar	1
Fifteen additional CS credits: Three credits at the 1XX-level or above (CS 125 recommended for students who wish to pursue graduate study in CS); Twelve credits at the 2XX-level or above		15
Business Administration (twenty-four credits)		
BSAD 030	Decision Analysis	3
BSAD 060	Financial Accounting	3
BSAD 061	Managerial Accounting	3
BSAD 120	Leadership & Org Behavior	3
BSAD 141	Info, Technology & Bus Systems	3
BSAD 150	Marketing Management	3
BSAD 173	Operations Management	3
BSAD 180	Managerial Finance	3
Economics (six credits)		
EC 011	Principles of Macroeconomics	3
EC 012	Principles of Microeconomics	3
Mathematics (eight credits)		
MATH 021	Calculus I ²	4

MATH 022	Calculus II ²	4
Probability & Statistics (six credits)		
STAT 143	Statistics for Engineering	3
CS 128	Probability Models & Inference (preferred)	3
or STAT 151	Applied Probability	
Natural Science (eight credits)		
Choose two of the following courses:		8
BIOL 001	Principles of Biology ³	
BIOL 002	Principles of Biology ³	
CHEM 031	General Chemistry 1 ⁴	
CHEM 032	General Chemistry 2 ⁴	
PHYS 051	Fundamentals of Physics I ⁵	
PHYS 152	Fundamentals of Physics II ⁵	

¹ C- or higher required in CS 021 and CS 110.

² MATH 019 and MATH 023 are acceptable substitutions for MATH 021 and MATH 022.

³ BCOR 011 and BCOR 012 are acceptable substitutions for BIOL 001 and BIOL 002.

⁴ CHEM 047 and CHEM 048 are acceptable substitutions for CHEM 031 and CHEM 032.

⁵ PHYS 031 and PHYS 125 (& PHYS 022) are acceptable substitutions for PHYS 051 and PHYS 152.