

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 (44-45 credits)

Recommended:

CS 050	Seminar for New CS Majors	1
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Core:

CS 008	QR: Intro to Web Site Dev	3
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CS 021	QR: Computer Programming I ¹	3
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CS 064	QR: Discrete Structures	3
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CS 110	QR: Intermediate Programming ¹	4
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CS 120	QR: Advanced Programming	3
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CS 121	QR: Computer Organization	3
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CS 124	QR: Data Struc & Algorithms	3
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CS 148	QR: Database Design for Web	3
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CS 224	QR: Algorithm Design & Analysis	3
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CS 292	Senior Seminar	1
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Fifteen additional CS credits: Six credits at the 100-level or above ([CS 125](#) recommended for students who wish to pursue graduate study in CS); Nine credits at the 200-level or above. 15
 (NOTE: The online catalogue incorrectly states this as three credits at the 100-level and twelve credits at the 200-level).

Business Administration (24 credits)

BSAD 030	Decision Analysis	3
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BSAD 060	Financial Accounting	3
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BSAD 061	Managerial Accounting	3
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BSAD 120	Leadership & Org Behavior	3
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BSAD 150	Marketing Management	3
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BSAD 173	Operations Management	3
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BSAD 180	Managerial Finance	3
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BSAD Elective (100-level or above)		3
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Economics (6 credits)

EC 011	Principles of Macroeconomics	3
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EC 012	Principles of Microeconomics	3
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Mathematics (8 credits)

MATH 021	QR: Calculus I ²	4
MATH 022	QR: Calculus II ²	4
Probability & Statistics (6 credits)		
STAT 143	QR: Statistics for Engineering	3
STAT 151	QR: Applied Probability	3
or CS 128	QR:Probability Models & Infrnc	
Natural Sciences (7 credits)		
Two courses, one of which must be a lab course that totals 4 credits, chosen from:		
Astronomy (ASTR) - All courses		
Biology (BIOL) - All courses		
BioCore (BCOR) - All courses		
Chemistry (CHEM) - All courses		
Geology (GEOL) - All courses		
Physics (PHYS) - All courses		
Plant Biology (PBIO) - All courses		
GEOG 040	Weather, Climate & Landscapes	
GEOG 140	Biogeography	
GEOG 143	Climatology	
GEOG 148	Global Environmental Change	
MMG 065	Microbiology & Pathogenesis	
PSYS 111	Learning, Cognition & Behavior	
PSYS 115	Biopsychology	
PSYS 211	Learning	
PSYS 215	Physiological Psychology	
PSYS 216	Psychopharmacology	
PSYS 217	Animal Behavior	
PSYS 218	Hormones and Behavior	
PSYS 219	Sel Topics Behavioral Neurosci	

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](#).