

2015-2016 Catalogue

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 thirty-eight credits)		
Recommended:		1
CS 050	Seminar for New CS Majors	1
Core:		23
CS 008	Intro to Web Site Development	3
CS 021	Computer Programming I	3
CS 064	Discrete Structures	3
CS 110	Intermediate Programming	4
CS 121	Computer Organization	3
CS 124	Data Structures & Algorithms	3
CS 148	Database Design for the Web	3
CS 292	Senior Seminar	1
Fifteen additional credits including:		15
Six credits at the 1XX-level or above (CS 125 is recommended for students who wish to pursue graduate study in computer science)		
Nine credits at the 2XX-level		
Business Administration (twenty-seven credits)		
BSAD 060	Financial Accounting	3
BSAD 061	Managerial Accounting	3
BSAD 120	Leadership & Org Behavior	3
BSAD 132	Political Envir of Business	3
BSAD 141	Info,Technology & Bus Systems	3
BSAD 150	Marketing Management	3
BSAD 173	Operations Management	3
BSAD 180	Managerial Finance	3
BSAD elective at the 1XX-level or above		3
Economics (six credits)		
EC 011	Principles of Macroeconomics	3
EC 012	Principles of Microeconomics	3
Mathematics (eight credits)		
MATH 021	Calculus I	4

MATH 022	Calculus II	4
Statistics (three credits)		
STAT 143	Statistics for Engineering	3
or one course in statistics (e.g. STAT 141) and one course in probability (e.g. CS 128 or STAT 151)		
Natural Science (eight to ten credits)		
One laboratory science sequence, selected from the following:		8-10
BIOL 001 & BIOL 002	Principles of Biology and Principles of Biology	
or BCOR 011 & BCOR 012	Exploring Biology and Exploring Biology	
CHEM 031 & CHEM 032	General Chemistry 1 and General Chemistry 2	
or CHEM 035 & CHEM 036	General Chemistry for Majors 1 and General Chemistry for Majors 2	
PHYS 031 & PHYS 125	Physics for Engineers I and Physics for Engineers II	
or PHYS 051 & PHYS 152	Fundamentals of Physics I and Fundamentals of Physics II	
Fine Arts, Humanities and Social Sciences (eighteen credits)		
Chosen from courses in ALANA U.S. Ethnic Studies, anthropology, art history, art studio, classics, communication sciences, dance, economics, English, Film and Television Studies, foreign language, geography, Global and Regional Studies, history, Holocaust Studies, linguistics, music, philosophy, political science, psychological science, religion, sociology, theatre, Women's and Gender Studies, and World Literature		18

Credits used to fulfill the University's Writing, Sustainability and Diversity requirements (one three-credit course Diversity Category 1 and a second three-credit course from Diversity Category 1 or 2) may also be applied to the above distribution requirements as appropriate.

No more than three grades of D+, D, or D- in computer science courses numbered CS 124 and higher or BSAD courses numbered 100 and higher.