

Computer Science – Business

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Fall		Credits	Spring		Credits
CS 112 Intro. to Programming (<i>fall only</i>)		3	CS 120 ^{PR} OO Software Development (<i>spring only</i>)		3
MATH 127 ² Logic & Axiomatics (<i>fall only</i>)		3	CS 120L ^{PR} OO Software Devel. Lab (<i>spring only</i>)		1
MATH 129 ² Analytical Geometry & Calculus I		4	MATH 130 ^{PR} Analytical Geometry & Calculus II		4
Core Course ¹ (<i>ENGL 110 Academic Writing</i>)		3	Core Course ¹ (<i>ARTS 100 – 149</i>)		3
Core Course ¹		3	Core Course ¹ (<i>CSEM 100 Quest for Meaning</i>)		3
HCE 101 Holy Cross Experience		1	Core Course ¹		3
		17			17
Summer		Credits			
Fall		Credits	Spring		Credits
CS 232 ^{PR} Data Structures (<i>fall only</i>)		3	CS 233 ^{PR} Adv. Data Structures (<i>spring only</i>)		3
CS 232L ^{PR} Data Structures (<i>fall only</i>)		1	CS 233 ^{PR} Adv. Data Structures Lab (<i>spring only</i>)		1
CS 256 ^{PR} Database Management Systems		3	CS 270 ^{PR} Computer Organization		3
CS 256L ^{PR} Database Management Systems Lab		1	CS 270L ^{PR} Computer Organization Lab		1
MATH 235 ^{PR} Discrete Mathematics		3	ECON 112 ² Introduction to Microeconomics		3
ECON 111 ² Introduction to Macroeconomics		3	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
		17			17
Summer		Credits			
Fall		Credits	Spring		Credits
CS Elective ^{*,PR}		3	CS Elective ^{*,PR}		3
CS Elective ^{*,PR}		3	CS Elective ^{*,PR}		3
MSB 110 Introduction to Financial Reporting		3	MSB 120 Intro. To Mgmt. Control & Planning		3
MSB 200 Principles of Management		3	MSB 210 Principles of Marketing		3
Core Course ¹		3	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
		18**			18**
Summer		Credits			
Fall		Credits	Spring		Credits
CS 480 Software Engineering		3	CS 481 Appl. Soft. Engr. OR CS 499 CS Internship		3
CS Elective ^{*,PR}		3	CS Elective ^{*,PR}		3
ECON 221 Statistics & Predictive Analytics		3	MSB 220 Financial Management		3
Business Elective 1 ⁴		3	Business Elective 2 ⁴		3
Core Course ¹		3	Core Course ¹		3
		15			15
Total Credits Required for Graduation = 134					

NOTES:

** Students are encouraged to take summer courses to relieve the course load pressure during this semester.

¹Choose one course from each of the Core Requirements listed on the reverse side.

²Course may satisfy both a Major and a Core requirement. MATH 127 or MATH 129 will satisfy the Quantitative Reasoning Core requirement.

³Students may select “free electives” for personal enrichment **OR** for Minor and/or Second Major Requirements.

⁴The following “Free Electives” are recommended for Computer Science majors: MATH 126, MATH 237, PHYS 111 & PHYS 111L. CIS 106 is recommended particularly to freshman choosing between Computer Science and Computer Information Systems.

^{PR} Course has a prerequisite – check college catalog.