

## **Bachelor of Science in Computer Science/Bachelor of Science in Business Administration**

The combined Bachelor of Science degree program in computer science/business administration offers qualified students the opportunity to gain an educational foundation in both areas. Students must meet the admission requirements for both the Computer Science department in the Viterbi School of Engineering and the Marshall School of Business. The degree is administered by the Computer Science department.

Students should work with advisors in both the Marshall School and the Viterbi School in making appropriate course selections. A minimum of 135 units is required. A GPA of C (2.0) or higher is required for all upper division course, including any approved substitutes for these courses.

<b>Engineering Requirements</b>		<b>Units</b>
CSCI 101L	Fundamentals of Computer Programming	3
CSCI 102L	Data Structures	3
CSCI 200	Object-Oriented Programming	3
CSCI 201L	Principles of Software Development	3
CSCI 271	Discrete Methods in Computer Science	3
CSCI 303	Design and Analysis of Algorithms	3
CSCI 351	Programming and Multimedia on the World Wide Web	3
CSCI 377	Introduction to Software Engineering	3
CSCI 460	Introduction to Artificial Intelligence, or	
CSCI 480	Computer Graphics, or	
CSCI 485	File and Database Management	3
CSCI 477ab	Design and Construction of Large Software Systems	2-2
CSCI technical	electives (see department for approved list)	6
EE 101	Introduction to Digital Logic	3
EE 201L	Introduction to Digital Circuits	4
ENGR 102	Freshmen Academy Seminar	2
MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 225	Linear Algebra and Linear Differential Equations, or	4
EE 241	Applied Linear Algebra for Engineering	3
Basic science requirements I and II*		4-4
Total engineering units:		69
<b>Business Requirements</b>		<b>Units</b>
ACCT 410x	Accounting for Non-Business Majors	4
BUAD 302	Communication Strategy in Business	4
BUAD 304	Organizational Behavior	4
BUAD 306	Business Finance	4
BUAD 307	Marketing Fundamentals	4
BUAD 497	Strategic Management	4
BUAD concentration**		8
ECON 203	Principles of Microeconomics	4

ECON 205	Principles of Macroeconomics	4
MATH 218	Probability for Business, or	4
EE 364	Introduction to Probability and Statistics for Electrical Engineering	3
Total business units		43-44
Total program units:	112-	
	113	
General Education	20	
Total degree units	132-	
	133	

\*Basic science requirement: PHYS 151L and PHYS 152L or CHEM 105abL or BISC 120L and BISC 220L

\*\*Students can choose to take 8 units of upper division concentration courses from any two departments or from the same department. They are not required to take "required" courses from a particular concentration for this degree.