

## B.S. Dual Majors for Computer or Information Science and Business

**Revision of June 14, 2005**

*This degree program requires 132 SH of credit*

*Students in the Dual for Information Science and Business must be in Division A*

The College of Computer and Information Science and the College of Business Administration reserve the right to modify the curriculum described in this document or the individual courses as necessary in the future.

<b>Computer and Information Science (40 IS, 44 CS)</b>
<i>Required Computer Science Courses (24 SH)</i>
CS U200 Discrete Structures
CS U201 Recitation for CS U200 (0 SH)
CS U211 Fundamentals of Computer Science 1
CS U212 Lab for CS U211 (1 SH)
CS U213 Fundamentals of Computer Science 2
CS U214 Lab for CS U213 (1 SH)
CS U221 CS/IS Overview 1 (1 SH)
CS U222 CS/IS Overview 2 (1 SH)
or
CS U223 CS/IS Co-op Preparation (1 SH)
CS U370 Object-Oriented Design
CS U430 Database Design
CS U600 Senior Seminar (1 SH)
<i>Additional Requirements for CS Dual (20 SH)</i>
CS U380 Computer Organization
CS U480 Systems and Networks
CS Elective 1
CS Elective 2
CS Elective 3
<i>CS elective: CS U380 or higher, IS U570 or IS U535</i>
<i>Additional Requirements for IS Dual (16 SH)</i>
IS U300 Principles of Information Science
IS U470 Information System Design and Development
IS U580 Empirical Research Methods in Info Science
IS Elective
<i>IS elective: IS U400 or higher or CS U380 or higher</i>
<b>General Requirements (28 SH)</b>
ENG U111 College Writing
ENG U302 Adv Writing in the Technical Professions
<i>With permission, may substitute ENG U301 for ENG U302</i>
ECN U115 Macroeconomics
ECN U116 Microeconomics
PHL U215 Symbolic Logic
MTH U241 Calculus 1 for Science/Engineering
or
MTH U131 Calculus for Business/Economics
SOC U528 Computers and Society

<b>Business (52 IS, 48 CS)</b>
<i>Required Business Courses (28 SH)</i>
ACC U201 Financial Accounting
ACC U301 Managerial Accounting
FIN U201 Financial Management
HRM U201 Organizational Behavior
MKT U201 Introduction to Marketing
MSC U201 Business Statistics
MGT U501 Strategy in Action
<i>Required Business Concentration (16 SH)</i>
A 4-course business concentration (other than MIS)
<i>Integrative Course for Computer Science option(4 SH)</i>
MIS U301 Management Information Systems
<i>Integrative Courses for Information Science option (8 SH)</i>
MIS U305 Information Resource Management
MIS U404 Business Data Communications
<b>General Electives (12 SH)</b>
<i>Choose 12 SH of general electives.</i>
<i>These electives must be consistent with the policy on general electives articulated by the College of Computer and Information Science in the CCIS Student Guidebook and on the college web site.</i>
<i>Students must also satisfy the diversity requirement which may be done by choosing a general elective from the Arts and Sciences Core Category III: Diversity or may be done by other mechanisms as described on the CCIS college web site.</i>
<i>The course CBA U101 Introduction to Business if taken counts as a general elective.</i>