Endless career opportunities

Networks of computers extend human brainpower by creating modes of communication and record keeping that are at once more complex and more convenient than ever before. To be effective, these systems must aid and enhance our business, government and service organizations, which requires a careful understanding of the factors controlling human interactions, as well as the technical potential and limitations of computer systems.

Designed through consultation with business, government, and academic leaders, UD’s information systems curriculum is designed to satisfy demand for students with a combination of technical and business training. The information systems major is oriented toward students interested in the design of new software systems for business and consumer needs.

Course work includes technological problem solving and project management, as well as a selection of advanced computer science courses designed to prepare students for careers in programming, business telecommunication networks, system development, database systems, and software engineering.
Information Systems Curriculum:
To earn a bachelor's degree, students must complete 124 credits and meet specific requirements as outlined in the online catalog. See UD Catalog for additional details.

FIRST YEAR
FALL
EGGG 101 - Introduction to Engineering (FYE)
CISC 108 - Introduction to Computer Science I
MATH 241 - Analytic Geometry & Calculus A
ENGL 110 - Seminar in Composition
Breadth Requirement Elective 1

SPRING
CISC 181 - Introduction to Computer Science II
MATH 210 - Discrete Mathematics I
Breadth Requirement Elective 2
General Electives

SECOND YEAR
FALL
CISC 220 - Data Structures
CISC 250 - Business Telecommunication Networks
MATH 205 - Statistical Methods
ACCT 207 - Accounting I
Laboratory Science 1

SPRING
CISC 275 - Introduction to Software Engineering
ACCT 208 - Accounting II
Laboratory Science 2
Breadth Requirement Elective 3
General Elective

THIRD YEAR
FALL
BUAD 306 - Operations Management
ENGL 312 - Written Comm in Business (or)
ENGL 410 - Technical Writing
IS Elective Course
Breadth Requirement Elective 4
General Elective

SPRING
CISC 437 - Database Systems
BUAD 309 - Management & Organizational Behavior
BUAD 301 - Introduction to Marketing (or)
FINC 311 - Principles of Finance
IS Elective Course
Breadth Requirement Elective 5

FOURTH YEAR
FALL
COMM 212 - Oral Communication in Business
CISC 355 - Computers, Ethics, & Society
MISY 430 - Systems Analysis and Implementation
IS Elective Course
General Elective

SPRING
CISC 475 - Advanced Software Engineering
MISY 431 - Technological Problem Solving
MISY 432 - Problem Solving Project Management
General Electives

Intense preparation
Students pursuing a degree in information systems must fulfill a set of major courses along with 1) a set of business courses (referred to as the business core) and 2) a set of information systems courses (referred to as the information systems core). The business core emphasizes management and marketing issues. Students are prepared for careers in management and financial matters through courses in accounting, finance, operations management, organizational behavior, and marketing. The information core stresses the use of computing technology in solving business problems.

Course topics you will explore:
• Accounting/Finance
• Operations management
• Organizational behavior
• Marketing
• Programming
• Systems development
• Database systems
and more!

Contact us:
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