



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.

CAREER PATHS:

Database Administrator
MIS Technical Analyst
IT Consultant
Multimedia Programmer
Network Engineer
Systems Engineer
Systems Developer **and more!**

GRADUATE SCHOOL FOR:

Information Systems
Computational Science
Cybersecurity, Law & Policy
Bioinformatics
Software Engineering
Information Technology
MBA **and more!**

CIS.UDEL.EDU



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!

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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	Credits	SPRING	Credits
EGGG 101 - Introduction to Engineering (FYE)	2	CISC 181 - Introduction to Computer Science II	3
CISC 108 - Introduction to Computer Science I	3	CISC 210 - Introduction to Systems Programming	3
MATH 241 - Analytic Geometry & Calculus A	4	MATH 210 - Discrete Mathematics I	3
ENGL 110 - Seminar in Composition	3	Breadth Requirement Elective 2	3
Breadth Requirement Elective 1	3	Breadth Requirement Elective 3	3
Total Credits: 15		Total Credits: 15	

SECOND YEAR

FALL	Credits	SPRING	Credits
CISC 220 - Data Structures	3	CISC 275 - Introduction to Software Engineering	3
CISC 250 - Business Telecommunication Networks	3	ACCT 208 - Accounting II	3
MATH 205 - Statistical Methods	4	Laboratory Science 2	4
ACCT 207 - Accounting I	3	Breadth Requirement Elective 4	3
Laboratory Science 1	4	General Elective	3
Total Credits: 17		Total Credits: 16	

THIRD YEAR

FALL	Credits	SPRING	Credits
BUAD 306 - Introduction to Service & Operations Management	3	CISC 437 - Database Systems	3
ENGL 312 - Written Communications in Business* (or) ENGL 410 - Technical Writing*	3	BUAD 309 - Organizational Behavior	3
IS Elective Course 1	3	BUAD 301 - Introduction to Marketing (or) FINC 311 - Principles of Finance	3
General Elective	3	IS Elective Course 2	3
General Elective	3	General Elective	3
Total Credits: 15		Total Credits: 15	

FOURTH YEAR

FALL	Credits	SPRING	Credits
COMM 212 - Oral Communication in Business	3	CISC 475 - Advanced Software Engineering (DLE & Capstone)	3
CISC 355 - Computers, Ethics, & Society	3	MISY 431 - MIS Project Management	3
MISY 430 - Systems Analysis and Implementation	3	MISY 432 - MIS Projects	3
General Elective	4	General Elective	3
General Elective	3	General Elective	3
Total Credits: 16		Total Credits: 15	

*Satisfies upper level COE breadth requirement.