

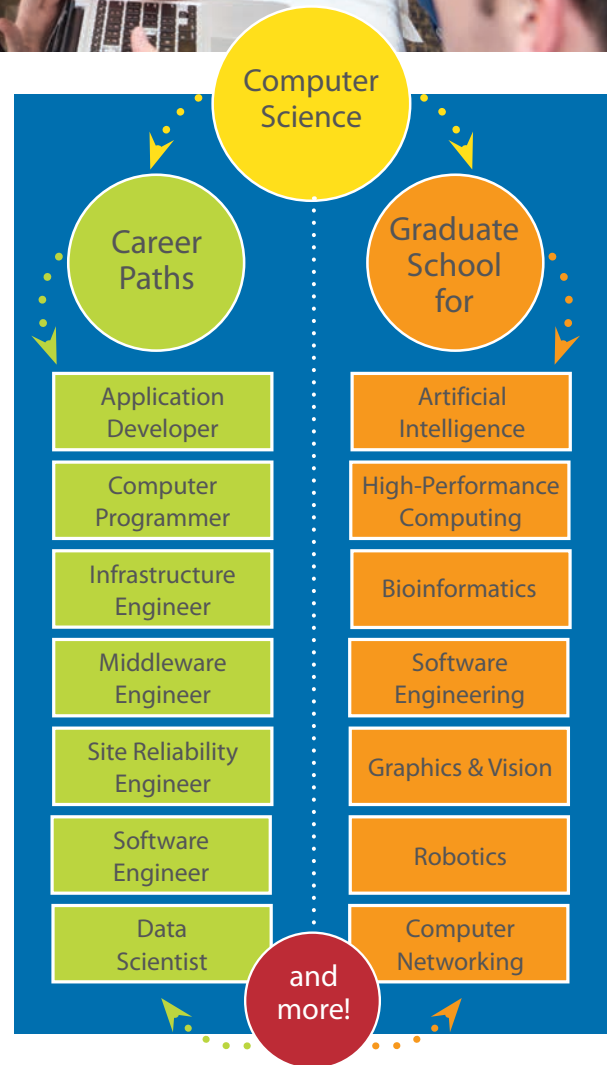


Endless career opportunities

From its inception just a half-century ago, computing has become the defining technology of our age. Computers are integral to modern culture and are the primary engine behind much of the world's economic growth. Moreover, the field continues to evolve at an astonishing pace, making computer science a vibrant discipline.

UD's computer science curriculum emphasizes software development and computer theory with the goal that students learn how computers are used to solve real-life problems. Students develop excellent programming skills as they build a solid foundation in the theory and practice of computer science and software engineering. All of the members of the department's faculty hold doctorates, and the research of the faculty guides upper-level course offerings. Students are encouraged to explore how other subject areas impact and are impacted by computer science through a concentration in a related discipline.

We are committed to providing students with access to the most advanced computer technology available and maintaining research laboratories for areas requiring extensive experimental studies. Students also have access to our high-performance clusters for coursework and research in parallel computing, networking, artificial intelligence, and multimedia.





Future earnings

UD's computer science alumni are earning more than their colleagues who graduated from other universities. According to The Wall Street Journal's 2015-16 College Salary Report, UD ranked fourth in the nation for starting and mid-career salary of computer science graduates. A degree in computer science opens the door to careers in virtually every manufacturing and service industry such as chemical companies, consumer products firms, banks and financial services companies, and government agencies. Many students go on to start their own businesses.

Course topics you will explore:

- Data Structures
 - Statistical Methods
 - Parallel Computing
 - Logic and Programming
 - Ethics
- and more!

Contact us:

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Computer Science 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
General Elective I

SPRING

CISC 181 - Introduction to Computer Science II
MATH 242 - Analytic Geometry & Calculus B
Laboratory Science I
Breadth Requirement Elective 1
Breadth Requirement Elective 2

SECOND YEAR

FALL

CISC 220 - Data Structures
CISC 260 - Machine Org. & Assembly Language
MATH 210 - Discrete Mathematics I
Laboratory Science 2
Breadth Requirement Elective 3

SPRING

CISC 320 - Introduction to Algorithms
CISC 275 - Introduction to Software Engineering
MATH 205 - Statistical Methods (or)
MATH 350 - Probability Theory
Laboratory Science 3
Breadth Requirement Elective 4

THIRD YEAR

FALL

CISC 372 - Parallel Computing
CISC 355 - Computers, Ethics, & Society
ENGL 312 - Written Comm in Business (or)
ENGL 410 - Technical Writing
CISC 304 - Logic and Programming (or)
MATH 349 - Elementary Linear Algebra
Concentration Elective 1

SPRING

CISC 361 - Operating Systems
CISC 303 - Automata Theory
CISC Technical Elective 1
Concentration Elective 2
Breadth Requirement Elective 5

FOURTH YEAR

FALL

CISC Technical Elective 2
CISC Technical Elective 3
Concentration Elective 3
General Elective 2
General Elective 3

SPRING

CISC 475 - Advanced Software Engineering (DLE)
CISC Technical Elective 4
Concentration Elective 4
General Elective 4
General Elective 5