

COMPUTER SCIENCE

University of Northern Iowa College of Humanities, Arts & Sciences

<http://www.cs.uni.edu/>

ABOUT THE MAJOR

Computer Science is the study of processes that interact with data and that can be represented as data in the form of programs. It enables the use of algorithms to manipulate, store, and communicate digital information. Computer scientists are proficient at modeling and analyzing problems. They also are experts at designing solutions and verifying that they are correct. This kind of problem solving requires precision, creativity, and careful reasoning.

SAMPLE COURSEWORK

Introduction to Computing	Intermediate Computing
Introduction to Statistical Methods	Computer Organization
Data Structures	Calculus I
Discrete Structures	Computer Science Foundations

POSSIBLE CAREERS *some titles may require further education

IT Consultant	Multimedia Programmer	Software Developer
Cyber Security Consultant	Systems Analyst	Computer Hardware Engineer
Information Systems Manager	Game Developer	Web Developer
Database Administrator	Technical Writer	Information Research Scientist

UNI GRADUATES: WHERE ARE THEY NOW?

- John Deere
- Jack Henry and Associates
- Microsoft
- Wells Fargo Home Mortgage
- Intel Corporation
- University of Minnesota
- Banno Limited
- Proofpoint
- Decathlon Australia
- Terraplane, LLC
- Robotics Alley Conference & Expo
- Disney Research
- Workiva
- IMT Computer Services



SKILLS NEEDED

- Analytical skills
- Problem-solving skills
- Patience
- Creativity
- Critical thinking
- Written and oral communication
- Presentation skills
- Ability to work collaboratively
- Self-awareness
- IT skills

HOLLAND CODES

IRC