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

POSSIBLE CAREERS
*some titles may require further education
- IT Consultant
- Cyber Security Consultant
- Information Systems Manager
- Database Administrator
- Multimedia Programmer
- Systems Analyst
- Game Developer
- Technical Writer
- Software Developer
- Computer Hardware Engineer
- Web Developer
- 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