Majors, Minors and Research at the Department of Computer and Information Science

Fall 2024

The value of a computer science education

$.58M
lifetime earnings of a high school graduate*

$1.19M
lifetime earnings of a college graduate*

$1.67M
lifetime earnings of a computer science major*

*Net present value today
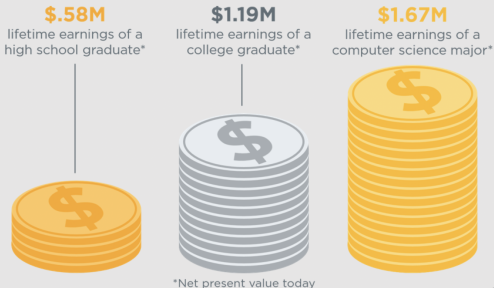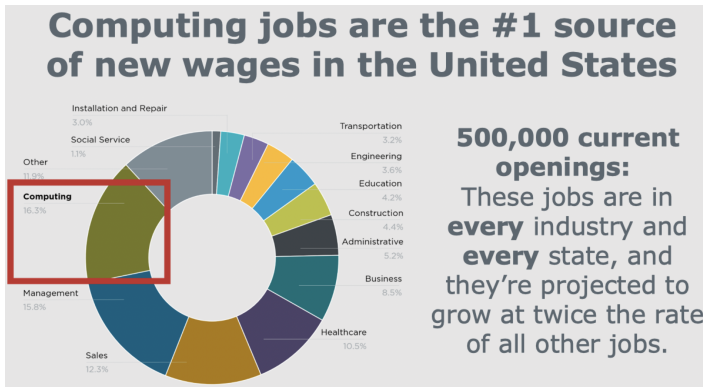
Source: Brookings

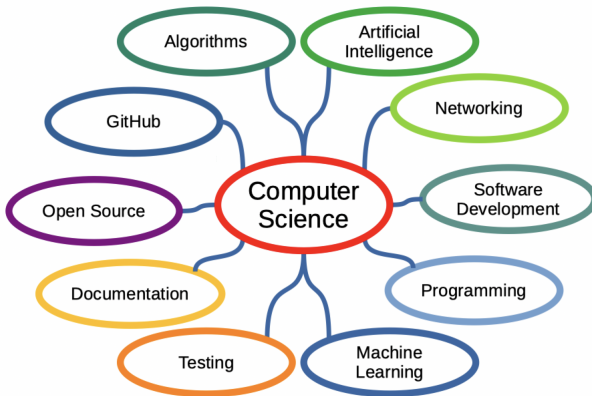# Careers from This Education

Majors,
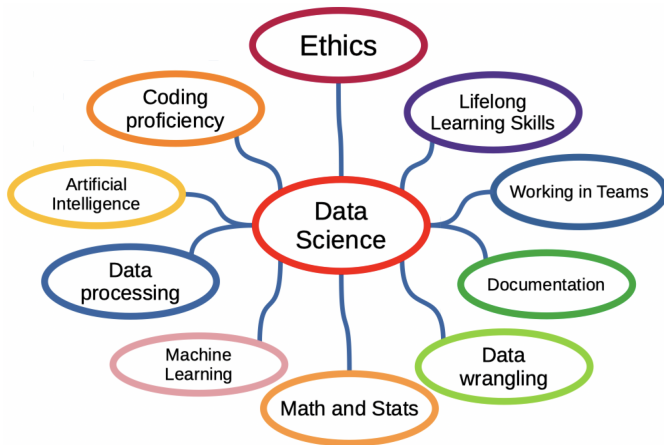Minors and
Research at
the
Department of
Computer and
Information
Science

CIS

What is this
department?

Extracurricular
Opportunities

Computing jobs are the #1 source of new wages in the United States

500,000 current openings: These jobs are in **every** industry and **every** state, and they're projected to grow at twice the rate of all other jobs.

How to prepare for such careers?

- **Computer Science**
- **Data Science**
- **Informatics**
- **Software Engineering**

- Computational theory and the rich interplay between computer hardware and software

Computer Science
Mathematics and Natural Sciences

Next Courses

- CMPSC 102 (every spring, might change)
- CMPSC 101 (every semester)
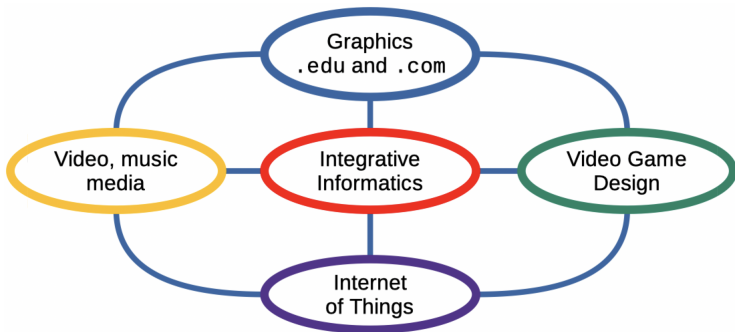
- Integrated principles and methods to analyze data for decision making, prediction, modeling, and data management

Next Courses

- CMPSC 105 (every spring)
- CMPSC 101 (every semester)
- Ethics
- Communication

- Critical approaches to information and technology, with an emphasis on interdisciplinary methods (humanities, geo/ess, polisci, health)

Next Courses

- CMPSC 101 (every semester)
- Application module courses
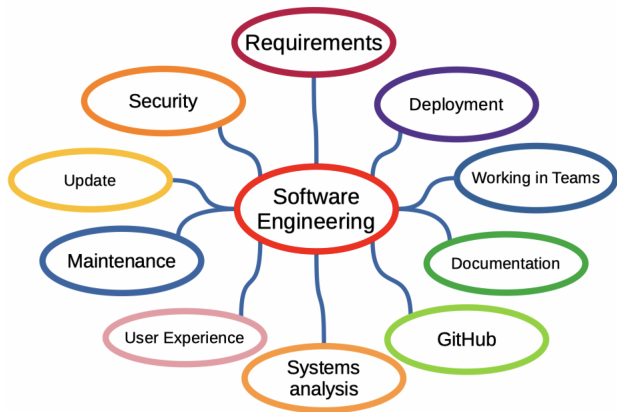
Software Engineering

Mathematics and Natural Sciences

- Gaining knowledge and skills that teams and individuals need to develop and maintain large-scale software systems

Next Courses

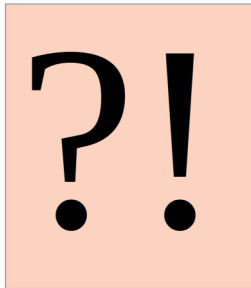- CMPSC 101 (every semester)
- CMPSC 104 (every fall)

How do students get into computing careers?

Undergraduate research experience

- Independent studies with faculty
- Software engineering positions (funded by donors)
- DataGators (Data Analyst position)
- Technical Leaders and Outreach TLs
- Cupper scholar fellow (funded by donors)
- Summer/semester research with faculty (funded by donors)

- And, our department hosts an *iTea* event each Friday at 2:15pm to 2:45pm (and you're all invited to join us!)