



COLLEGE OF ARTS & SCIENCES

COMPUTER SCIENCE

Computer Science is the study of computer and computational systems. It is a broad field; as such, the department offers a **wide-ranging curriculum focused on fundamentals and practical application** to develop creative problem-solvers equipped to adapt to the evolving world of computer science.

DEPARTMENT STRENGTHS

- **ABET Certification.** The BS is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology.
- **Research Funding.** The department boasts millions in active grants, with numerous opportunities for student research.
- **Student Engagement.** Students can get involved in organizations, workshops and department-wide social events hosted each semester.

SAMPLE CURRICULUM

Core Courses*

- **COMP 1900** CS1: Intro to Programming
- **COMP 1950** Ethics & Technology
- **COMP 2150** CS2: OOP & Data Structures
- **COMP 2700** Discrete Structures
- **COMP 3081** CS3: Intro to Software Design
- **COMP 3115** Database Process & Design
- **COMP 4081** Software Engineering
- **COMP 4270** Operating Systems
- **COMP 4882** Capstone Software Project
- **MATH 1920** Calculus II
- **MATH 3242** Intro to Linear Algebra
- **MATH 4614** Probability & Statistics

DEGREE OPTIONS

- BS in Computer Science
 - Artificial Intelligence
 - Cybersecurity
 - Data Science
 - Honors in Computer Science
- Minor in Computer Science
- Accelerated BS/MS in Computer Science
- Graduate Certificates
 - Cybersecurity & Information Assurance
 - Data Science
- MS in Computer Science
- PhD in Computer Science

CENTERS & INSTITUTES

- Center for Information Assurance
- Institute for Intelligent Systems
- Systems Testing Excellence Program

ADDITIONAL OPPORTUNITIES

- Internships
- Research Groups
- Student Organizations
- Workshop Series

COMPUTER SCIENCE

MAJOR FACT SHEET

BY THE NUMBERS (Spring 2024)

Student Enrollment

876 **573** **303**

Total Undergraduate Graduate

Number of Minors

7

Total

WHO YOU ARE

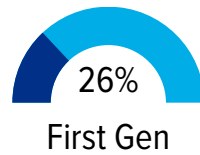
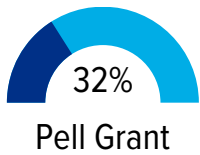
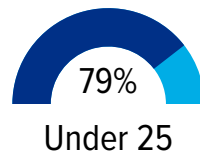
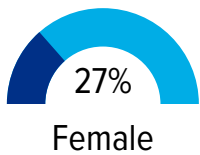
Personality

- Analytical
- Collaborative
- Innovative
- Methodical
- Observant
- Technical

Interests & Hobbies

- 3D Modeling
- Coding & Programming
- Gaming & Modding
- Open-Source Projects
- Technology
- Web Design

Student Demographics



Degrees Awarded

240 **79** **1**

Total Bachelor's GRCT

158 **2**

Master's Doctorate

Career Outcomes[‡]

\$74K

Avg Expected Salary
First Destination

\$65K

Avg Annual Salary
1-3 Years Post-Grad

70%

Employed in TN

70%

Employed in Memphis

TN Employment Outlook

34.9%

10-Year Job Growth

448

Avg Annual Job Openings

Faculty Employed

37:1

Student-Faculty Ratio[†]

24 **5**

Full-Time Part-Time

56 **85**

Grad Asst Total

WHAT YOU'LL LEARN

Core Skills

- Computational Theory
- Data Structures & Algorithms
- Database Design
- Operating Systems
- Programming Languages
- Software Engineering

CAREER OPTIONS

Job Titles

- Business Analyst
- Computer Programmer
- Database Architect
- Front-End Developer
- Information Scientist
- Network Administrator
- Software Engineer
- Systems Analyst
- Web Developer
- Video Game Designer

Industries

- Cybersecurity
- Government
- Healthcare
- Software
- Technology

Transferable Skills

- Attention to Detail
- Effective Communication
- Logical Thinking
- Organization
- Problem Solving
- Teamwork

^{*} The specified courses are for example purposes only. It is not a complete list of core courses.
^{**} Online degree options are available for the specified programs through UofM Global.

[†] Calculated based on the number of student majors and the number of full-time faculty.

[‡] Based on self-reported post-graduation outcomes of UofM students who have earned a Bachelor's degree in the last ten years.