STUDY COMPUTER SCIENCE

The University of Mississippi's Department of Computer Science offers a Bachelor of Arts in Computer Science through the College of Liberal Arts and a Bachelor of Science through the School of Engineering.

Combine your technical and people skills.

What does it mean to major in computer science? The general education foundation is different between the B.A. offered through the College of Liberal Arts and the B.S. degree offered through the School of Engineering. The flexibility of the B.A. degree allows students to complete a secondary field of study, such as a minor or second major. The B.S. degree, which prepares students for graduate school or more technical careers, requires additional courses in computer science, mathematics, and the natural sciences.

Courses You'll Take

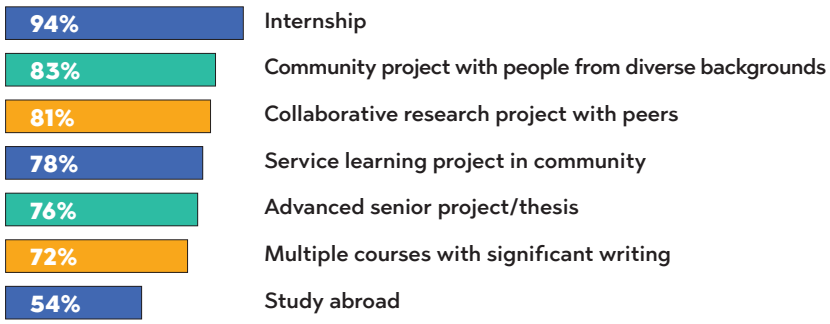
B.A. students complete 13 computer science courses as listed below, as well as Calculus I, Discrete Mathematics, Intro to Statistical Methods, and Speech. Students must also complete a minor field of study.

- Computer Science I, II, III
- Computer Org. & Assembly Language
- Algorithm & Data Structure Analysis
- One of the following: Intro to Operative Systems, Organization of Programming Lang, Intro to Mathematical Statistics
- Social Responsibility in Computer Science
- 5 computer science electives
- Senior Project

B.S. students complete 16 computer science courses and 6 technology electives.

- Computer Science I, II, III
- Computer Org. & Assembly Language
- Social Responsibility in Computer Science
- Models of Computation
- Software Design/Development
- Operating Systems
- Algorithms
- Programming Languages Org.
- 5 computer science electives
- Senior Project

Gain What Employers Value



Percent of employers likely to hire graduates with select experiences.

2018 national survey by Association of American Colleges and Universities (AACU)

Enhance Your Experience

- Complete multiple internship or co-op experiences.
- Join a computer science student organization for professionalization, networking, and community service.
- Compete with an E-Sports team, such as the Call of Duty team that finished first in the nation.
- Participate in conferences, hackathons, and programming contests.
- Conduct computer science research.

COLLEGE OF LIBERAL ARTS
DEPARTMENT OF COMPUTER SCIENCE
THE UNIVERSITY OF MISSISSIPPI

Why Study Computer Science?

Students pursuing the B.A. degree in computer science gain the key communication, leadership, and problem-solving skills that are desired by today's employers. They often pursue web design and development, mobile application development, user interface design, technical support, ultimately becoming a project manager. In addition to being qualified as programmers, system analysts, network administrators, B.A. students with the broader skills of the liberal arts are especially prepared for positions that act as a "go between" the developers and the clients.

National Survey of Skills Desired by Employers

2019 survey by National Association of Colleges and Employers

Access to a Network of Alumni

You'll have access to a strong alumni network, many of whom become leaders in their organization. Our computer science alumni find careers in all major economic sectors. The most common are:

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<STEM – 32%
<Bus/finance – 25%
<Higher Ed – 13%
<Govt/Military/1st Responders – 12%
<Healthcare – 5%
<Community Services/Non-Profit – 5%
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ALUMNI EXAMPLES:

- Software Developer, Bank of America
- Sr. Tech Support Engineer, Unum Insurance
- Software Engineer, Chevron
- Owner, Thigpen Consulting
- Sr. Programming Analyst, Whole Foods
- Sr. Engineering Systems Analyst, Fed Ex
- Research Scientist, Georgia Tech
- Software Engineer, Raytheon
- Director of IT, Baptist Memorial Health Care
- Senior Program Manager, Ericsson
- IT Helpdesk Analyst, Fisher Investments
- Technical Project Manager, AT&T
- Network Engineering Manager, King & Spradling
- IT Program Sr. Manager, Lockheed Martin
- Senior Manager, Apple
- Web Coordinator, Viking Range Corp
- Programmer, US Air Force
- Technical Writer, Verizon

"The BA degree path has shown me how computer science can intertwine with other subjects, and gave me a more well-rounded education. I look forward to using my STEM major in fields such as public relations, marketing, or web development."

Annie Walsh *(BA Computer Science, minor in Digital Media Studies '21)*

LET'S TALK!

We'd love to tell you more about computer science and learn about your interests.
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Dr. Dawn Wilkins
Professor and Chair of Computer Science