



COMPUTER SCIENCE UNDERGRADUATE PROGRAMS

DEGREE PROGRAMS

The traditional BS in Computer Science program is accredited by the Computing Accreditation Commission of ABET. In addition, we offer:

- Concentrations in cybersecurity, data science and artificial intelligence
- An accelerated BS/MS in Computer Science
- A minor in Computer Science

STUDENT BENEFITS

- Personalized attention in coursework and academic advising
- Opportunities for undergraduate research with top faculty
- Chances to interact with renowned computer scientists from around the world who visit our campus for lectures and conferences
- An active student chapter of the Association for Computing Machinery and various other student organizations
- An internship program that gives academic credit for practical experience

CAREER OPPORTUNITIES

Memphis offers the best of both worlds: a metropolitan city's convenience without the high cost of living. The city is home to many large corporations and institutions, including AutoZone, FedEx, International Paper and St. Jude Children's Research Hospital. Our graduates have also gone on to work at companies outside Memphis such as Amazon, Facebook, Google, Netflix and Wayfair.

Contact Us

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WHAT CAN I DO WITH CS?

Majoring in Computer Science can lead to countless job opportunities after graduation, including:

- Software development
- Web and mobile development
- Database development/administration
- Network development/administration
- Computer security
- Bioinformatics/bio-computing
- Artificial intelligence/robotics
- Embedded systems

CURRICULUM

Our undergraduate program ensures that students become well-rounded computer scientists. Required coursework covers the areas below, and electives are available to provide specialization:

- Mathematics: calculus, discrete math, linear algebra, probability/statistics
- Procedural and object-oriented programming
- Ethics
- Data structures
- Computer organization and assembly language
- Databases
- Networking and security
- Design and analysis of algorithms
- Programming languages
- Operating systems
- Theory of computation
- Software engineering
- Capstone software project

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