In the Department of Computer Science and Computer Engineering, faculty and students are working to improve existing technology and create the next generation of hardware and software. This department is one of the largest in the college, with a healthy number of doctoral students.

This department is home to two separate degree programs. In the computer science program, students develop the skills they need to deliver high quality software tools that industries and organizations depend on, taking into account scheduling and budgetary concerns. Computer engineering students design computer products that are efficient and secure.

Faculty in computer science and computer engineering are focusing on important technology issues such as big data and cybersecurity. In recent years, new research centers created in the department have begun to tackle some of the most pressing issues in the digital world, finding ways to organize and interpret large amounts of data and protecting security and privacy of organizations and individuals.

**2019-2020 STUDENT STATISTICS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>Ethnic Minority</td>
<td>28%</td>
<td></td>
</tr>
<tr>
<td>First Generation</td>
<td>32%</td>
<td></td>
</tr>
<tr>
<td>Placement¹</td>
<td>83%</td>
<td></td>
</tr>
</tbody>
</table>

¹Self reported percentage of students graduating in the past two years who were employed as engineers or attending graduate school within three months of graduating.
**RESEARCH AREAS**

- Big data
- Cybersecurity
- Software engineering
- Embedded systems
- Electronics for extreme environments
- Computer system design
- Service Computing
- Software Engineering
- Database and information systems
- Interactive and visual computation
- Networking and distributed systems
- Algorithmic self-assembly and natural computing
- Reconfigurable computing

**CENETERS**

- Arkansas Security Research and Education Institute
- Center for Information Security and Reliability
- Institute for Advanced Data Analytics (affiliated)
- J.B. Hunt Innovation Center of Excellence (affiliated)

**CHAIRS AND PROFESSORSHIPS**

- David Andrews
  Thomas Clinton Mullins Endowed Chair in the College of Engineering
- Jia Di
  The Twenty-First Century Research Leadership Chair
- Frank Liu
  Rodger S. Kline Endowed Chair in Computer Science and Computer Engineering
- Xintao Wu
  Charles D. Morgan/Acxiom Endowed Graduate Research Chair in Database

**NSF CAREER AWARDEES**

Susan Gauch, Qinghua Li, Matthew Patitz, Xintao Wu

**ARKANSAS RESEARCH ALLIANCE SCHOLAR**

Justin Zhan