WHAT IS computer science?

Computer science means solving computing problems, designing new software, and developing innovative ways to use technology in different industries. Companies in fields like entertainment, agriculture, medicine, energy, education, public safety, environmental protection, and fashion need computer scientists to guide their technology.

WHY STUDY computer science?

Computer science offers challenging but rewarding opportunities to deal with multi-dimensional issues. Our students study the design, development, and analysis of software used to solve problems like:

- Traveling in space
- Cultivating a sustainable environment, economy, and society
- Protecting personal, commercial, and national security
- Predicting the path of hurricanes
- Allowing 24/7 communication with voice, text, and video
- Linking the global marketplace with instant payments and real-time inventory tracking
Undergraduate Degrees

- Bachelor of Science (B.S.)
  Major in computer science

- Bachelor of Arts (B.A.)
  Major in computer science

- Bachelor of Science (B.S.)
  Major in computer science with a computer engineering concentration

Undergraduates have the opportunity to work with the research faculty on projects exploring areas like: artificial intelligence, computer communication and networking, cyber security, data analytics, high performance computing, computer vision, software engineering, and human-computer interaction.

Student Internships

Our students can gain real-world experience by completing an internship with companies like: USAA, US Instruments, AMD, Amazon, Home Depot, McCoy's Building Supply, Google, Microsoft, H-E-B, ExxonMobil, Walmart, Apple, and IBM. Texas State offers networking events throughout the year where students can talk with company recruiters.

Student Research

Undergraduates have the opportunity to work with the research faculty on projects exploring areas like: artificial intelligence, computer communication and networking, cyber security, data analytics, high performance computing, computer vision, software engineering, and human-computer interaction.

Student Resources

- System software and applications in 'first-class' computing laboratories
- 3-D printers, a virtual reality lab, and other equipment that fuel creative problem-solving
- Knowledgeable peer tutors in our labs
- Faculty and advisors who are accessible, helpful, and eager to engage with students

Student Organizations

Texas State has over 400 registered student groups, including the Society of Women Engineers, Virtual Reality Development Group, WiSE, EXE Computer Science Club, an IEEE student branch, and more. Organizations connect students with the university, encourage collaboration, and develop leadership skills.