Department Mission

The mission of the Department of Computer Science is to advance the knowledge of computer science and technology through education, research and service for the betterment of industry, government and society. The department seeks to expand its depth and breadth in the research and study of applied computing and strives to provide graduate students with strong technical backgrounds and communication skills.

Degrees Offered

- Master of Arts in Computer Science
- Master of Science in Computer Science
- Ph.D. in Computer Science

I started at Texas State while working full-time because of the flexibility of taking graduate-level evening courses on the Round Rock Campus. Now I am focusing on my thesis while working in a research lab on the San Marcos campus. The support of the professors has been great.

– Lee B. Hinkle,
M.S. student at Texas State University

This program provides students with the knowledge and skills to gain an edge in the computer science job market.
Why choose Texas State?
Texas State’s Department of Computer Science is known for cutting-edge curricula, a dedicated faculty and well-equipped and remotely accessible laboratory facilities. Combined, these elements provide students with hands-on experience while implementing classroom concepts, providing the specialized training graduates need to land the best jobs.

The department accommodates working professionals by offering flexible course scheduling options with classes available during the evenings and on the Round Rock Campus.

Course Work
The master of science (M.S.) in computer science (C.S.) program offers a 30-credit-hour thesis option and a 36-credit-hour non-thesis option. Both require the completion of graduate core courses and electives.
The master of arts (M.A.) in computer science (C.S.) program offers a 30-credit-hour-thesis option and a 36-credit-hour-non-thesis option. Both require the completion of graduate core courses, electives and a minor.
Areas of study in the computer science program are: machine learning, databases/data mining, data compression, computer networks and cyber security, high performance computing, image processing, bioinformatics, and more.

Faculty
The department has both tenured and tenure-track faculty members actively pursuing research in artificial intelligence, bioinformatics, computer communication and networking, cyber security and trustworthy computing, database and information systems, distributed and parallel computing, high performance computing, human computer interaction, image retrieval, multimedia computing, software engineering, green/sustainable computing and social computing. Faculty research has received federal and industry funding support from NSF, NIST, DoD, DoE, IBM, Intel and more. The faculty has obtained prestigious awards like NSF CAREER awards and IBM and Google Faculty Fellowships.

Career Options
Both M.S. and M.A. graduates pursue careers in technical software development maintenance, system management and system analysis. The majority of graduates, about 60%, work in private companies like Google, Amazon, Intel, IBM and Dell. About 30% of graduates work in various city, state and federal agencies. About 10% go on to pursue doctoral degrees.