

# WHAT CAN I DO WITH A COMPUTER SCIENCE DEGREE?

OPEN TO FIND OUT •

## Computers are helping to solve some of the world's most interesting and difficult challenges:

- >> Traveling in space
- >> Predicting the path of a hurricane
- >> Protecting national security
- >> Increasing a company's profits by making data retrieval more efficient
- >> Linking the global marketplace with instant payments and real-time inventory tracking
- >> Allowing 24/7 communication with voice, text, video and gaming

With a degree in computer science, you can join a team that analyzes challenges like these. Computer science graduates are in demand at more than just computer companies as computer technology becomes increasingly important for industries around the world. The programming skills and Web know-how you'll develop as a computer science major will help you find creative ways to use your analytical and problem-solving skills in an expanding job market.



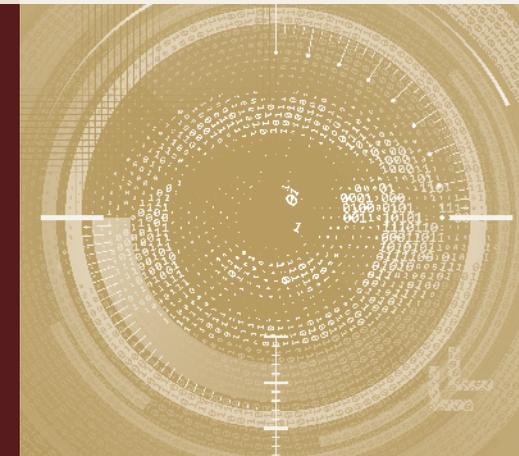
"I love the logic and problem-solving nature of computer science."

—DEBORAH ROSS,  
Computer Science, '12



**OLEG KOMOGORTSEV, PhD, Faculty Member, Department of Computer Science**

Imagine that you can control your computer without a mouse, keyboard or even your voice — all you have to do is move your eyes. It's not science fiction for Dr. Oleg Komogortsev. He's created a World of Warcraft interface that allows him to control the characters in his game with just his eyes. And while the application to gaming is impressive, eye-gaze guided interfaces have the potential to greatly improve life for the disabled as well as change how we all use computers.



"The human visual system is very complex. We're used to getting information from the eyes, but not using them to select something."

—KOMOGORTSEV

## Why computer science at Texas State University?

Texas State's Department of Computer Science is the hub of computing-related education and research activities on campus. You'll have access to an array of hardware, system software and applications in first-class computing laboratories. Knowledgeable peer tutors are available in our labs, and a dedicated academic advisor will help you plan your path.

Our classes are small, taught by faculty members who are accessible, nurturing and eager to engage undergraduates in learning and research. In addition to your regular classes, you might earn academic credit by joining one of our tenured or tenure-track faculty members in a research project exploring artificial intelligence, computer communication and networking, computer forensics, human-computer interaction or Web technology. Or you might be selected for a position as a research assistant supported by external funding from industry and government agencies. Qualified students are encouraged to join the Honors College and may choose to complete an Honors thesis.

We integrate real-world problem-solving and analysis skills into all of our academic experiences, so you'll be prepared for the work world when you graduate. Our degree options give you flexibility to choose a path that fits your interests.

- >> Bachelor of science, major in computer science
- >> Bachelor of science, major in computer science (with concentration in computer engineering)
- >> Bachelor of science, major in computer science (with teacher certification)
- >> Bachelor of arts, major in computer science
- >> Bachelor of arts, major in computer science (with teacher certification)
- >> Minor in computer science

We also offer master's degrees in computer science and software engineering. To learn more about undergraduate options and degree requirements, visit [cs.txstate.edu/undergrad\\_program](http://cs.txstate.edu/undergrad_program).

## What experience can I gain as a student?

Along with research opportunities, our students gain real-world experience through internships with businesses like insurance mainstay United Services Automobile Association (USAA) and supermarket leader H-E-B. Our computer science Industrial Advisory Board's members represent a range of industries, including computer companies, semiconductor manufacturing, energy corporations and healthcare. They help connect our students to internship and job opportunities, and they keep the department in touch with the changing demands of industry.

Student organizations, including the Society of Women Engineers, an IEEE student branch and a student chapter of ACM, offer study sessions, organize field trips and connect students with opportunities.

## How do I apply?

Apply to Texas State at [applytexas.org](http://applytexas.org), or visit [admissions.txstate.edu](http://admissions.txstate.edu) to find helpful information about the university's admission process.

## Where can I get more information?

Learn more about the Department of Computer Science at [cs.txstate.edu](http://cs.txstate.edu). Call 512.245.3409 or email us at [info@cs.txstate.edu](mailto:info@cs.txstate.edu) with your questions.



### ABET accreditation

The bachelor of science degree program is accredited by the Computing Accreditation Commission of ABET. Accreditation assures that the program has met quality standards set by the profession and signifies adequate preparation for entry into the profession. [www.abet.org](http://www.abet.org)



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Texas State University is an equal opportunity educational institution. This information is available in alternative format upon request from the Office of Disability Services.