THE CURRICULUM  The Computer Science Department provides a complete background in key computer software concepts:

- A diverse range of programming languages
- Algorithmic solutions of numerical problems
- Cyber security
- Data organization appropriate to the storage medium
- Operating systems
- Practical and theoretical aspects of computing

Traits well suited to computer science include:

- **ANALYTICAL THINKING**
- **ENJOYMENT OF EXACTING, ANALYTICAL PROBLEMS**
- **LOGICAL THINKING**
- **PERSISTENCE**
- **PROFICIENCY IN MATHEMATICS**

Computer Science is focused on programming. Problems are analyzed, algorithms designed, and those algorithms are developed into programs written in appropriate programming languages to automate the solutions.
COMPUTER SCIENCE

COMPUTER SCIENCE GRADUATES ARE EMPLOYED BY:
• American Express
• Bank of Oklahoma
• Cerner Corporation
• ConocoPhillips
• CREC
• Devon
• ExxonMobil
• Google
• Paycom
• Phillips 66
• Sandia Labs
• SST Software

3+3 LAW OPTION ALLOWS FOR EARLY ADMISSION
• Complete bachelors and law degree in six years instead of seven
• Works at all Oklahoma law schools and others that offer early admission opportunities

CAREERS Our graduates are prepared to enter the professional world and succeed. They acquire teamwork skills, communication skills, and technical skills; the skills employers look for in their employees.

OUR GRADUATES’ CAREERS
• Application programmer — Scientific or Business
• Big Data Engineer
• Chief Information Officer
• Communications and Network Specialist
• Data Scientist
• Database Administrator
• Database Programmer
• Mobile App Developer
• Project Manager
• Security Specialist
• Software Engineer
• Systems Analyst
• Systems Programmer
• Video Game Developer
• Web Services Developer

MISSION The Computer Science Department has a three-pronged mission:
• to pursue and to publicize research projects in computer science in order to extend the present state of knowledge in the computing field,
• to educate students in all program levels in order to provide them with the knowledge, interest, and ethics to become productive members of the computing profession,
• to serve as an initial and continuing source of education in the field of computer science.

Visit our Finish-in-Four Plans at http://casstudents.okstate.edu/finish-in-four-plans