



Computer Science

COLLEGE OF LIBERAL ARTS & SCIENCES
SCHOOL OF NATURAL & APPLIED SCIENCES

CONCORDIA UNIVERSITY TEXAS

Concordia University Texas is dedicated to the mission of developing Christian leaders. Founded in 1926, Concordia is proud to be Austin's leading Christian university, where Christ is honored and students of all backgrounds are welcomed. We are guided by our vision to be the premier university where the adventure of faith, learning and life-changing experiences leads to meaningful work.

CTX is a regionally accredited institution of higher education, offering undergraduate and graduate degrees through a variety of delivery methods. We offer over 50 majors and concentrations.

Concordia's campus, unique in its natural setting on a preserve, is conveniently located minutes from both downtown Austin and the Texas Hill Country. Our location provides students with resources and opportunities to learn, explore and thrive in the best of both worlds — a small school and a big city.

ABOUT THE PROGRAM

Studying Computer Science prepares you for a career in one of the fastest-growing and most lucrative industries in the United States. With abundant faculty support, even students with minimal experience can build a solid foundation of marketable skills.

- ▶ Gain hands-on programming experience in and out of the classroom.
- ▶ Students utilize a fully equipped, state of the art performance computer lab to learn, code and gain skills that are inline with industry standards.
- ▶ Internship opportunities with some of Austin's best tech companies are available.
- ▶ Thrive in small, conveniently-scheduled classes.
- ▶ Classes such as Social Data Structures and Algorithm Analysis, Computer Architecture and Cryptology prepare students for their careers in Computer Science.

CONTACT ADMISSIONS 
concordia.edu/admissions
512.313.4CTX

APPLY NOW 
concordia.edu/apply

Concordia offers both a BS and a BA in Computer Science. Both the BA, or Bachelor of the Arts, and the BS, or Bachelor of Science, are four-year undergraduate degrees. The main difference between the two types of degrees is the focus of the coursework students are required to complete in order to earn them. A Bachelor of the Arts degree program provides students with a more expansive education, requiring fewer credits directly linked to the major. Students are expected to earn credits in a variety of liberal arts subjects. The Bachelor of Science degree will be more strictly focused to computer science subject matter.

MEANINGFUL WORK IN COMPUTER SCIENCE

- ▶ Software Developer
- ▶ Web Developer
- ▶ Software Engineer
- ▶ Systems Programmer
- ▶ Developer/Programmer Analyst
- ▶ Software Quality Assurance Tester
- ▶ Database Administrator
- ▶ Computer Programmer
- ▶ Computer Systems Analyst

COURSE HIGHLIGHTS

Data Structures and Algorithms Analysis

Here you will learn how to make your programs efficient and gain the skill needed to understand why one program is more efficient than another.

Artificial Intelligence (AI)

You will learn Artificial Intelligence techniques that can be applied to real world problems. The class also discusses cultural and theological concerns with some approaches to AI.

Human Computer Interaction

The needs of human beings are crucial in designing technologies and software that are easy to use. This course covers the human factors that we must consider when developing new software.

Part of the curriculum includes coursework in looking at the ethics of technology, including Artificial Intelligence, equipping student to not only think about how to accomplish great tasks with technology, but also to think about the effects of it from an ethical perspective.

According to the Bureau of Labor Statistics, employment of computer and information research scientists is estimated to climb 11 percent from 2014 to 2024, faster than the average for all occupations. Computer scientists are likely to enjoy excellent job prospects as many companies report difficulties finding these highly skilled workers.

STUDENT TESTIMONIAL

“I went to Concordia University Texas to study Computer Science. I am currently a Systems Engineer at VMware. My well-rounded education helps with the technical knowledge I need for my career and my personal development.”

- BRETT DEMETROTION '15

➔ [VISIT CONCORDIA.EDU/ACADEMICS](https://www.concordia.edu/academics) FOR A COMPLETE LIST OF COURSES



#CTXSOCIAL

[CONCORDIA.EDU/ADMISSIONS](https://www.concordia.edu/admissions)