

The Baylor School of Engineering & Computer Science (ECS) fosters success and opportunity for highly capable and motivated students.

UNDERGRADUATE DEGREE PROGRAMS

INFORMATICS (BSI)
Offering two options, major in data science or bioinformatics.

COMPUTER SCIENCE (BSCS)
Offering concentrations in computer science, cybersecurity and software engineering, plus a Computer Science Fellows major.



ELECTRICAL AND COMPUTER ENGINEERING (BSECE)



ENGINEERING (BSE)
Offering concentrations in biomedical, environmental, geo-petro and humanitarian. This plan can be paired with any minor.



MECHANICAL ENGINEERING (BSME)

ECS SNAPSHOT

Established in 1995, Baylor's School of Engineering & Computer Science prepares graduates for professional practice and servant leadership with a Christian worldview.

ECS total enrollment	970
Undergraduate	839
Graduate	131
Average class size	22
Female population	25.4%
Minority population	34.5%

ABOUT BAYLOR

Chartered in 1845 by the Republic of Texas through the efforts of Baptist pioneers, Baylor University today is a private Christian university, a nationally ranked liberal arts institution and a Carnegie-classified "very high research activity" research university. Throughout its celebrated 177-year history of liberal and service education, Baylor has consistently represented a belief in and commitment to Christian-based values, and maintains a unique reputation honored within higher education.



CONTACT

SCHOOL OF ENGINEERING & COMPUTER SCIENCE

254-710-3890
ECS_Student_Services@baylor.edu
baylor.edu/ecs

CAMPUS VISITS

1-800-BAYLOR-U
Campus_Visits@baylor.edu
baylor.edu/visit

VIRTUAL TOUR

ecsbaylor.university-tour.com



Baylor University

SCHOOL OF ENGINEERING & COMPUTER SCIENCE

Baylor University admits students of any race, color, national and ethnic origin, sex, age, disability, or veteran status to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin, sex, age, disability, or veteran status in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

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SCHOOL OF ENGINEERING & COMPUTER SCIENCE



Baylor University

OPPORTUNITIES FOR ECS STUDENTS

Teal Residential College is a living-learning program at Baylor designed with Engineering and Computer Science students in mind. Members live in one of the newest residence halls on campus, which includes a variety of room styles, a tech lab, private and group study spaces, and much more!

"I am on Teal Council at Teal Residential College, where I've made great friends and aided others in forming lasting relationships. I'm also an officer in Engineers with a Mission and Society of Women in Engineering, an ECS Scholars mentor, and a member of Kappa Chi Alpha, a Christian sorority. These opportunities have helped me grow spiritually, academically, and socially. In the future, I want to work on developing a prosthetic pancreas for diabetics."

SPENCER STINSON
BS ENGINEERING WITH
BIOMEDICAL CONCENTRATION



Student Organizations

Baylor's School of Engineering and Computer Science hosts a variety of student organizations. A few examples are below; visit ecs.baylor.edu/studentorgs for a full list.

American Society of Mechanical Engineers | Association for Bioinformatics and Biotechnology | Association for Computing Machinery | Baylor Aero | Baylor Basic Utility Vehicle | Baylor Theme Park Engineering and Design | Baylor Virtual Reality Club | Computing for Compassion | Engineers with a Mission | Institute of Electrical and Electronics Engineers | National Society of Black Engineers | Oso Esports | SAE Baja | Society of Plastics Engineers | Society of Women Engineers | Women in Computer Science

Expanded Options

UNDERGRADUATE RESEARCH

Unlike some universities, at Baylor you don't have to wait until graduate school to get involved in research. Even freshmen have opportunities to take courses with world-class researchers and then work alongside them, discovering new knowledge in labs at the Baylor Research and Innovation Collaborative.

CAPSTONE

In both Jr. and Sr. Design, Engineering and Computer Science project teams develop and/or improve real-world products and services, often in partnership with companies like Lockheed Martin, L3Harris, Brandt Companies, Security Brands, Sherwin Williams and Pariveda.

COMPETITIVE LEARNING

CYBERSEC

Baylor CyberSec focuses on training students to safeguard information and technology from cyberattacks. Employers heavily recruit at competitions where our students often find success, including a recent regional championship and national 4th place at the National Collegiate Cyber Defense Competition.

ICPC

Baylor is headquarters for the International Collegiate Programming Contest (ICPC), the premiere global programming competition conducted by and for the world's universities. Learn more at [ICPCNews.com](https://www.icpcnews.com).

WORLDWIDE LEADERSHIP & SERVICE

ENGINEERS WITH A MISSION

Students utilize their technical skills through technology projects and mission-oriented trips hosted both locally and in developing countries.

COMPUTING FOR COMPASSION

Students serve local compassion-based organizations, providing technological solutions and education to schools, nonprofits and churches.

STUDY ABROAD

University College Dublin and Comillas Pontifical University in Madrid are two of many places around the world where Baylor ECS has programs in which students can earn credits that fit our degree plans.

ADVANCED LEARNING

Graduate Degree Options

MSCS: Master of Science in Computer Science

Online MSCS: Master of Science in Computer Science

PhD CS: Doctor of Philosophy in Computer Science

MSECE: Master of Science in Electrical and Computer Engineering

PhD ECE: Doctor of Philosophy in Electrical and Computer Engineering

MSBME: Master of Science in Biomedical Engineering

ME: Master of Engineering

MBA/ME: Master of Business Administration and Master of Engineering

MSME: Master of Science in Mechanical Engineering

PhD ME: Doctor of Philosophy in Mechanical Engineering

Baylor Engineering and Computer science graduate education offers exciting opportunities to conduct original research in leading-edge and interdisciplinary areas through joint degree programs. Learn more about our graduate programs by visiting ecs.baylor.university-tour.com

"In my Bio-Electronics and RFIC (BEaR) Lab, several undergraduate students hold paid positions for federally funded research programs. They learn practical engineering skills in our state-of-the-art facility. This invaluable experience prepares them for future graduate studies or industry work."

VINCENT LEUNG

PHD, ASSOCIATE PROFESSOR,
ELECTRICAL AND COMPUTER
ENGINEERING

[LEARN MORE ABOUT VINCENT ONLINE.](#)

LAUNCHING CAREERS

ECS graduates are always in high demand, and our dedicated Career Services team assists students with internships and employment. These are some of the companies that hire our graduates:

SpaceX

HP

ExxonMobil

NASA

3M

Northrop Grumman

Amazon

Tesla

Google

Lockheed Martin

Bell Helicopter

General Motors

L3Harris

Raytheon

IBM

Samsung

AT&T

Qualcomm

Spring 2021 Graduates

94% Placement rate 180 days out from graduation

\$76,781 Average Salary

\$9,754 Average Bonus



"As a freshman, I was able to do research with my professor on protecting the U.S. military from cyber attacks. My work on the cybersecurity team landed me an internship with Dell, which led to the company offering me a full-time position – before I even started my sophomore year on campus!"

HARM DRENTH

COMPUTER SCIENCE MAJOR
& CYBERTEAM CAPTAIN

