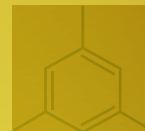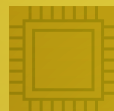## ABOUT BAYLOR

Baylor University is a private Christian University and a nationally ranked research institution. The University provides a vibrant campus community for more than 20,000 students by blending interdisciplinary research with an international reputation for educational excellence and a faculty commitment to teaching and scholarship.

Learn more at **baylor.edu/cybersecurity**.
Apply at **baylor.edu/admissions**.

Explore Baylor's School of Engineering & Computer Science at **ecs.baylor.edu**

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SCHOOL OF ENGINEERING & COMPUTER SCIENCE
Department of Computer Science

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CYBERSECURITY
AT BAYLOR UNIVERSITY

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CYBERSECURITY

As our world becomes more interconnected, our lives are increasingly dependent upon our technology. Meanwhile, threats to security are constantly evolving and increasing. At Baylor, part of our mission is to prepare you for a life of service. Society needs ethical, educated and skilled people in front of the threats to protect us from harm. According to Cybersecurity Ventures, soon there will be approximately 3.5 million unfilled cybersecurity jobs worldwide. Cyberseek indicates that Texas is one of the top five states for cybersecurity jobs, and the U.S. Bureau of Labor statistics places Information Security Analyst jobs among the top ten fastest-growing occupations. To address this global need, we provide students with the opportunity to explore cybersecurity through a cyber club, competition teams, and a degree program. The future is bright for students who pursue our Bachelor of Science in Computer Science degree with the Cybersecurity Concentration.

"Even 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 a freshman 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

FACULTY & FACILITIES

Our faculty have a combined 20+ years of cybersecurity educational experience and 13+ years of industry experience, possessing industry certifications in cybersecurity. Students have access to a diverse set of cybersecurity-related facilities and capabilities. The Baylor Innovation and Research Collaborative houses the Baylor Cyber Range and Research Center (expected completion in late 2022), which provides educational space for cyber training along with applied research in security and resilience. Students may also work alongside faculty with access to the Lab 2 Market Collaborative, which helps move products from concept to prototype.

HANDS-ON EXPERIENCE

Coursework

Technology education plays a critical role in solving cybersecurity challenges, but Baylor's interdisciplinary approach to coursework creates well-rounded problem solvers. Our students not only develop a deep technological understanding through an ABET-accredited computer science degree, including courses in defensive and offensive concepts, but they also take a math course in cryptology and a political science course exposing them to the broad policy implications of cybersecurity.

Jobs & Internships

Due to the global lack of qualified cybersecurity professionals, there is high demand and excellent compensation for graduates of our cybersecurity program. Our students have secured internships with major companies such as Dell, Splunk, and Textron. Graduates have obtained jobs with companies like Google, IBM, and Dragos. Some graduates have become Chief Information Security Officers soon after graduation and started their own companies in fields like penetration testing.

Competition

Competition is critical because it provides students with realistic scenarios and simulates the pressures that exist in work environments. Students apply the skills they learn in the classroom in interactive offensive and defensive scenarios. Employers heavily recruit at these competitions. By performing well, our graduates have obtained prestigious placements with companies such as Walmart, CloudFlare, and AT&T. Baylor teams often find success, including first place in the southwest region and 4th overall at the National Collegiate Cyber Defense Competition in 2018, top 5% at National Cyber League in 2021, and top 10% at Hivestorm in 2021. Baylor also competed at the first WMGIC x NATO ACT Cybersecurity Challenge in 2021.

To learn more about student life, our faculty, research opportunities, who to contact with questions and more, visit **baylor.edu/ecs**

#BaylorECS