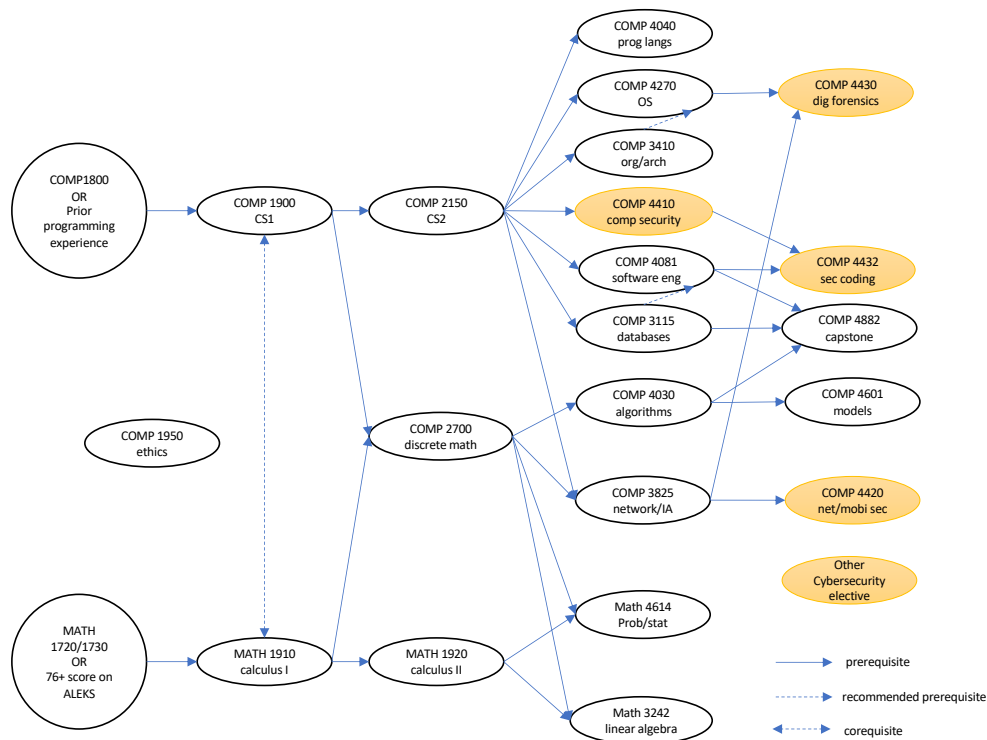# The University of Memphis, BS Computer Science, Cybersecurity Concentration

In Fall 2017, the Department of Computer Science established a **concentration in cybersecurity** within the B.S. degree in computer science, which is designed specifically for students with interests in cybersecurity. The goal of the program is to offer an undergraduate concentration in cybersecurity that consistently graduates highly trained workforce by a) developing undergraduate curricula in cybersecurity to educate technically sound cybersecurity professionals; b) developing programs for students from a variety of academic backgrounds, including computer science, mathematics, engineering, law, and business; and c) expanding the number and diversity of students in UofM's cybersecurity program through outreach to community colleges and four-year colleges in the broader Mid-South region.

This degree program is intended for both students currently working in the computer and information technology-related industry without an undergraduate degree and students currently enrolled in other computer science-related programs and interested in moving to a degree program that will better enable them to pursue careers in the cybersecurity field. Some core cybersecurity courses include Networking and Information Assurance, Computer Security, Network and Mobile Security, Digital Forensics, Secure Coding and Testing, and Cybersecurity Capstone Project. The cybersecurity concentration produces high-quality graduates with a focus on cybersecurity and thus directly impacts the growing need for qualified cybersecurity professionals.

Course Flowchart:

B.S. in Computer Science, Cybersecurity Concentration

CHOOSE A CAREER IN
CYBERSECURITY

Did you know there are more than 500,000 cybersecurity openings? According to the U.S. Bureau of Labor Statistics, the annual median salary for an information security analyst is $99,730, which is higher than a computer programmer's annual salary of $86,550.

JOB OPPORTUNITIES INCLUDE

- Cyber Security Engineer
- Cyber Security Analyst
- Cyber Security Consultant
- Cyber Security Manager / Administrator
- Systems Engineer

- Software Developer / Engineer
- Network Engineer / Architect
- Vulnerability Analyst / Penetration Tester
- Cyber Security Specialist / Technician

Earning a BS degree in Computer Science with a concentration in Cybersecurity requires the same core courses and total number of credits as a general BS degree in Computer Science with no concentration. Choose from a variety of cybersecurity elective courses including digital forensics, secure coding and testing, network and mobile security, computer security and many more.

THE UNIVERSITY OF
MEMPHIS.
Department of Computer Science

Enroll Cybersecurity Concentration Program Today!
Talk to your advisor today or contact us.
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