



The University of Arkansas is one of the founding institutions of the NCTA. The program at UALR is 18 credits, delivered synchronously online. The courses are listed below.

\*Course substitutions accepted with permission of the program coordinator

### **CSEC 7310 - Foundations of Cybersecurity**

Covers the broad topics of cybersecurity thought including adversarial thinking, risk management, legal and ethical foundations, privacy, human psychology, system thinking, ubiquitous computing, and trust and assurance.

### **CSEC 7301 - Teaching Cybersecurity**

This comprehensive course delves into essential aspects of teaching cybersecurity. It explores curriculum guidelines, diverse curriculum models, effective pedagogical strategies, and a wide array of instructional tools and cutting-edge technologies.

### **CSEC 7320 - Cybersecurity Operations**

This course examines the processes and technology to defend cyber systems against adversarial threats. Students will develop skills to plan and implement a cybersecurity operations strategy to align with organizational risk.

### **CSEC 5340 - Advanced Digital Forensics and Incident Response\***

This course equips students with the skills for forensic analysis, log preservation, and report creation, preparing them for digital forensics and incident response professions through technical and communication expertise.

### **CSEC 5320 - Privacy Law, Policy and Compliance\***

Explores cybersecurity ethics, laws, and policies, emphasizing cybercrime's legal aspects and regulatory compliance frameworks. It fosters understanding of cybersecurity's societal, global, economic, and legal implications.

### **CSEC 5318 - Cybersecurity Practicum**

This course offers practical experience in cybersecurity operations through service projects, research, or industry engagement. Students collaborate in real-world cybersecurity environments, applying their knowledge to develop, implement, test, and document security controls.