



The Information Assurance and Cyber Defense program at **Eastern Michigan University** places emphasis on design, integration, administration, hardening, and protection of all types of computer information systems and network infrastructures in cyber environments.

Our mission is to support the computing and cybersecurity needs of local, regional, and national government and private organization through excellence in education, scholarship, and service. We are committed to providing quality educational opportunities to both traditional and non-traditional students and seek to equip our students with the knowledge and skillset necessary for future computing and cybersecurity professionals to build, maintain, and protect networks and computer systems in both government and industry.

Our students are immersed in solid theories as well as intensive hands-on practical experiences to enhance their critical thinking and problem-solving capabilities applied to all elements in modern computing disciplines.

Our curriculum covers:

- Computing and networking theories/practices
- System architecture and administration, integration, and troubleshooting
- Cybersecurity threat/risk evaluation
- Incident response analysis and practice
- Network/digital forensics and investigation
- Penetration testing and system auditing
- Cyber laws, legislation, policy/compliance, and project management

DESIGNATIONS

- CAE - Cyber Defense Education

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