Centers of Academic Excellence in Cyber Defense (CAE-CD)

**Foundational KU’s**
- Cybersecurity Foundations: CSF
- Cybersecurity Principles: CSP
- IT Systems Components: ISC

**Technical Core KUs**
- Basic Cryptography: BCY
- Basic Networking: BNW
- Basic Scripting and Programming: BSP
- Network Defense: NDF
- Operating Systems Concepts: OSC

**Non-technical Core KUs**
- Cyber Threats: CTH
- Cybersecurity Planning and Management: CPM
- Policy, Legal, Ethics, and Compliance: PLE
- Security Program Management: SPM
- Security Risk Analysis: SRA

**Optional KU’s**
- Advanced Algorithms: AAL
- Advanced Cryptography: ACR
- Advanced Network Technology and Protocols: ANT
- Algorithms: ALG
- Analog Telecommunications: ATC
- Basic Cyber Operations: BCO
- Cloud Computing: CCO
- Cyber Crime: CCR
- Cybersecurity Ethics: CSE
- Data Administration: DBA
- Data Structures: DST
- Database Management Systems: DMS
- Databases: DAT
- Device Forensics: DVF
- Digital Communications: DCO
- Digital Forensics: DFS
- Embedded Systems: EBS
- Forensic Accounting: FAC
- Formal Methods: FMD
- Fraud Prevention and Management: FPM
- Hardware Reverse Engineering: HRE
- Hardware/Firmware Security: HFS
- Host Forensics: HOF
- IA Architectures: IAA
- IA Compliance: IAC
- IA Standards: IAS
- Independent/Directed Study/Research: IDR
- Industrial Control Systems: ICS
- Introduction to Theory of Computation: ITC
Intrusion Detection/Prevention Systems
Life-Cycle Security
Linux System Administration
Low Level Programming
Media Forensics
Mobile Technologies
Network Forensics
Network Security Administration
Network Technology and Protocols
Operating Systems Administration
Operating Systems Hardening
Operating Systems Theory
Penetration Testing
Privacy
QA/Functional Testing
Radio Frequency Principles
Secure Programming Practices
Software Assurance
Software Reverse Engineering
Software Security Analysis
Supply Chain Security
Systems Certification and Accreditation
Systems Programming
Systems Security Engineering
Virtualization Technologies
Vulnerability Analysis
Web Application Security
Windows System Administration
Wireless Sensor Networks

IDS
LCS
LSA
LLP
MEF
MOT
NWF
NSA
NTP
OSA
OSH
OST
PTT
PRI
QAT
RFP
SPP
SAS
SRE
SSA
SCS
SCA
SPG
SSE
VTT
VLA
WAS
WSA
WSN