Master of Science in Cybersecurity pathway
LONE STAR COLLEGE

To obtain the Master of Science in Cybersecurity, students must complete 58.5 graduate units. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another regionally accredited institution, as it applies to this degree, and provided the units were not used in earning another advanced degree. All students must complete the 9 core requirements and choose an area of specialization. Each course is four weeks long.

- The MSEM program is 13 months long.

Click here for NU catalog and detail information about the program.

CORE REQUIREMENTS (9 courses; 40.5 quarter units)	
CYB 600 Cyber Security Technology	
CYB 601 Cyber Sec. Toolkit Utilization	
CYB 602 Threat Modeling & Intel	
CYB 603 Cyber Security Ethical Issues	
CYB 604 Wireless and Mobile Security	
CYB 606 Net Defense & Cloud Security	
CYB 699A Cyber Security Project I	
CYB 699B Cyber Security Project II	
CYB 699C Cyber Security Project III	

AREA OF SPECIALIZATION (4 courses; 18 quarter units) Stu All students must choose ONE Area of Specialization defined below.	
Specialization in Ethical Hacking and Pen Testing	**Specialization in Enterprise Cybersecurity Management**
CYB 608 Ethical Hacking	CYB 608 CyberSec Audit and Assessment
CYB 632 Info Sys Vulnerable &Attacks	CYB 612 Cybersecurity Policy
CYB 633 Red Teaming	CYB 613 Governance in Cybersecurity
CYB 634 Red vs. Blue Team Exercise	CYB 616 CybSec Program Management
Specialization in Cloud Security	**Specialization in Digital Forensics and Incident Response**
CYB 650 Risk Mgmnt in Cloud Computing	CYB 640 Threat Hunting and IR
CYB 651 Cloud Security Architecture	CYB 641 Digital Investigations
CYB 652 Introduction to DevSecOps	CYB 642 Cloud Forensics and IR
CYB 653 Cloud Computing Assessments	CYB 643 Network Forensics

Note- Please refer to the graduate admissions requirements for specific information regarding application and valuation.