Master of Science (M.S.)
Cybersecurity
Master's Thesis; Fall Start

2025 – 2026 Catalog Year

Name: _____   **G Number:** _____

Advisor   Dr. Samah Mansour

1st Year				
Fall			**Winter**	
CIS 500: Fundamentals of Software Practice	3		CIS 555: Applied Cryptography	3
CIS 615: Information Security Principles	3		CIS 617: Digital Forensics and Investigations	3
CIS 616: Data Security and Privacy	3		CIS 654: Computer Networking	3
Total	**9**		**Total**	**9**
2nd Year				
Fall			**Winter**	
CIS 518: Secure Software Engineering	3		CIS 695: Master's Thesis	3
CIS 619: Data Analytics for Cybersecurity	3		Elective	3
CIS 690: Thesis Research Preparation	3			
Total	**9**		**Total**	**6**

List of Approved Electives:
CIS 553: Ethical Hacking
CIS 635: Knowledge Discovery
CIS 655: Cloud Applications Development
CIS 656: Distributed Systems
CIS 677: High-Performance Computing
CIS 678: Machine Learning
AI 501: Introduction to Artificial Intelligence
AI 502: Generative Artificial Intelligence
AI 520: Trustworthy AI

- This is a suggested curriculum guide that might not be applicable to every student.
- Students must have 33 credits to graduate, with a minimum of 24 credits taken at GVSU.
- Students must maintain a 3.0 GPA to graduate.
- All electives must be approved by the graduate program director.

Student Signature _____   **Date** _____

GPD Signature _____   **Date** _____