

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

2025 – 2026
Catalog Year

Name: _____

G Number: _____

Advisor Dr. Samah Mansour

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