**2024 – 2025**

**Catalog Year**

Master of Science (M.S.)

**Cybersecurity**

**Master’s Thesis; Winter Start**

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**Name: G Number:**

**Advisor** Dr. Samah Mansour

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| **1st Year** | | | |
| **Winter**  CIS 500: Fundamentals of Software Practice  CIS 615: Information Security Principles  CIS 616: Data Security and Privacy  **Total** | 3  3  3  **9** | **Fall**  CIS 518: Secure Software Engineering  CIS 555: Applied Cryptography  CIS 654: Computer Networking  **Total** | 3  3  3  **9** |
| **2nd Year** | | | |
| **Winter**  CIS 553: Ethical Hacking  CIS 617: Digital Forensics and Investigations  CIS 690: Thesis Research Preparation  **Total** | 3  3  3  **9** | **Fall**  CIS 619: Data Analytics for Cybersecurity  CIS 695: Master’s Thesis  **Total** | 3  3  **6** |

**List of Approved Electives:**

CIS 635: Knowledge Discovery

CIS 655: Cloud Applications Development

CIS 656: Distributed Systems

CIS 677: High-Performance Computing

CIS 678: Machine Learning

* 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_**