M.S. in Information Technology & Management (EG-MS-EGIT-CSEC)
Concentration: Cybersecurity Concentration
Program Worksheet

Name: _____   Z#: _____   Starting Term: _____

Phone #: _____   Overall GPA: _____   Date: _____

Degree Requirements

Students can choose between thesis and non-thesis options. Both options require a minimum of 30 credit hours (crs). Regardless of the option chosen, all students must complete the following requirements:

- Maintain a minimum 3.00 GPA to remain and graduate from the program.
- All courses within the degree program must be completed with a letter grade of "C" or higher.
- A minimum of 15 credit hours must be taken at the 6000 level.
- A maximum of 3 credit hours of Directed Independent Study (DIS) can be taken (faculty approval required).
- After completing 9 credit hours of coursework, students are required to submit a Plan of Study (POS) via MyPOS.

Thesis Option Requirements

- Students must secure a Thesis Advisor.
- Complete **6 credits hours** of Master's Thesis under the supervision of a faculty advisor.

See additional Thesis Requirements on the last page

Prerequisite Courses Required for Admissions (Mandatory, need to be taken first semester)

Course Number & Title	Semester Taken	Grade

Core Courses- Required to take all three (9 crs) from the listed below.

Course Number & Title	Semester Taken	Grade
CEN 5035 Software Engineering		
COP 6731 Theory and Implementation of the Database Systems		
ISM 6026 Management of Information Systems & Technology		

The program worksheet undergoes periodic review and is subject to change.
This worksheet is intended to assist with tracking your coursework and completing the required POS.

Cybersecurity Courses- Complete three courses (9 crs) from the list below. Substitutions are allowed for this section with prior advisor's approval in writing.

Course Number & Title	Semester Taken	Grade
CAI 6803 Data Analysis and Modeling for Cybersecurity		
CDA 5326 Cryptographic Engineering		
CIS 5371 Practical Aspects of Modern Cryptography		
CIS 6370 Computer Data Security		
CIS 6730 Cryptocurrencies and Blockchain Technologies		
CIS 6375 Distributed Systems Security		
COT 6427 Secret Sharing Protocols		

Electrical Engineering & Computer Science (EECS) Department courses- Complete two (6 crs) graduate courses with prefixes of CAP, CDA, CEN, CIS, COP, COT, CTS, or CNT if non-thesis option.

Course Number & Title	Semester Taken	Grade

Thesis Option- Complete 6 credit hours. Student is required to have a thesis form signed by a faculty advisor to register for thesis credits.

Course Number & Title	Semester Taken	Grade
COT 6970 Master's Thesis-Computer Science		

Electives- Complete two electives (6 crs) from the ITOM courses listed below:

Course Number & Title	Semester Taken	Grade
ISM 6328 Management of Information Assurance and Security		
ISM 6376 Digital Forensics Management		
ISM 6427C Business Innovation with Artificial Intelligence		
ISM 6455 Blockchain and Digital Business Transformation		
ISM 6930 Special Topics		

List any Directed Independent Study (DIS) course here. Student is required to have a DIS form signed by a faculty advisor to register for a DIS course.

Course Number & Title	Semester Taken	Grade

The EECS Department may approve substitutions for core or elective courses. List any course substitutions here. Student is required to have advisor approval in writing.

Course Number & Title	Indicate "core" or "elective"	Semester Taken	Grade

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List all failed courses here, with letter grades lower than a "C".

Course Number & Title	Semester Taken	Grade

Eligibility Requirements for Thesis Candidacy:

Students may apply for candidacy upon completing 9 credit hours of coursework and maintaining a 3.00 overall/cumulative GPA. Students must prepare a POS via MyPOS in consultation with their graduate advisor, detailing the courses necessary for fulfilling their degree requirements. Approval from the student's advisor is required for all listed courses.

Students working toward the MS Thesis option degree may <u>not</u> register for thesis <u>credits</u> <u>until</u> their POS has been approved.

The Thesis Committee is composed of:
- At least three faculty members
- A minimum of two members are from the EECS Department
- The Committee Chair from the EECS Department

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8/2024