

M.S. in Information Technology & Management (EG-MS-EGIT-CSDA)
Concentration: Computer Science Data Analytics
Program Worksheet (30 credit hours total)

Name: _____ Z#: _____ Starting Term: _____

Phone #: _____ Overall GPA: _____ Date: _____

Are you pursuing a certificate ☐ or minor ☐? Certificate or Minor Program Name : _____

Did You submit your certificate or minor worksheet ? Yes ☐ No ☐

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 18 credit hours of coursework, students are required to submit their program worksheet and Plan of Study (POS) to the Electrical Engineering & Computer Science (EECS) Department.
- Students who wish to pursue a minor or certificate program must apply and be accepted by 18 earned credits. Otherwise, they are ineligible to apply.

Thesis Option Requirements

- Students must secure a Thesis Advisor.
 - Complete **6 credit hours** of Master's Thesis over two semesters under the supervision of a faculty advisor.
- *See additional Thesis Requirements on page 3***

IF Prerequisite Courses were Required for Admissions, list here. Must be completed within the first semester.

Course Numbers Title	Semester Taken	Grade

Core Courses section- REQUIRED to take all three graduate courses (9 crs) listed below.

Core Course Numbers Title	Semester Taken	Grade
CAP 5768 Introduction to Data Science		
CEN 5035 Software Engineering		
COP 6731 Theory and Implementation of the Database Systems		

EECS Electives section

Choose four graduate courses (12 crs) if non-thesis option. Choose two graduate courses (6 crs) if thesis option. Choose any Electrical Engineering & Computer Science (EECS) Department graduate courses with the prefixes: CAI, CAP, CDA, CEN, CIS, COP, COT, or CNT

EECS Elective Course Numbers Title	Semester Taken	Grade

Business Electives section- Choose three electives (9 crs) from the ISM or QMB courses listed below if non-thesis or thesis.

Business Electives Course Numbers Title	Semester Taken	Grade
ISM 6136 Data Mining and Predictive Analytics		
ISM 6217 Database Management Systems		
ISM 6404 Introduction to Business Analytics and Big Data		
ISM 6405 Advanced Business Analytics		
ISM 6426 Managing Artificial Intelligence Product Development		
ISM 6427C Business Innovation with Artificial Intelligence		
ISM 6555 Social Media and Web Analytics		
ISM 6930 Special Topics		
QMB 6303 Data Management and Analysis with Excel		
QMB 6603 Data Analysis for Managers		

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

Thesis Course Numbers Title	Semester Taken	Grade

IF Directed Independent Study (DIS) course (3 crs) was completed, list below. A DIS will substitute for one EECS Elective. Students are required to have a DIS form signed by a faculty advisor to register for a DIS course.

DIS Course Numbers Title	Semester Taken	Grade

Course Substitution section. The EECS Department may approve course substitutions on a case-by-case basis. List approved course substitutions here. Students are required to have advisor approval in writing.

Substitution Course Numbers Title	List EECS or Business Elective	Semester Taken	Grade

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

Failed Course Numbers Title	Semester Taken	Grade

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.

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 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 not register for thesis credits until 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

How to Search for EECS Department Graduate Courses

When you perform a search on the Searchable Schedule, select the term. In the Department box, select Electrical Engin & Computer Sci. In the Level box, select Graduate. Then click on Search. This will display the entire course schedule of classes under the EECS department for that semester.

Enter Your Search Criteria

Term: Spring 2025

Subject (ex: ENC for ENC1101)	
Course # (ex: 1101 for ENC1101)	
Departments	✕ Electric Engin & Computer Sci
Level	✕ Graduate
College	
Part Of Term	
Instructor	
Campus	
Keyword (With All Words)	
Attributes (ex: GenEd)	
Open Sections Only	☐
Search Clear ▶ Advanced Search	