

M.S. IN INFORMATION TECHNOLOGY & MANAGEMENT
CONCENTRATION: Computer Science Data Analytics

Name: _____ Z#: _____ Advisor: _____

Date of Admission: _____ GPA: _____

Prerequisites:

List deficiency courses assigned by the Admission Committee, if applicable:

| Grade | Semester | Course Number/Name |
|-------|----------|--------------------|
| | | |
| | | |
| | | |

Degree Requirements

The Master of Science with Major in Information Technology and Management – CSDA Concentration program offers both thesis and non-thesis options. Both options require a minimum of 30 credits.

Core Courses - Students are *required* to take *three* courses:

| Grade | Semester | Course Number/Name |
|-------|----------|--|
| | | CAP 5768 Introduction to Data Science |
| | | CEN 5035 Software Engineering |
| | | COP 6731 Theory and Implementation of the Database Systems |

Electives - In addition, non-thesis students need to take *four* EECS department electives as follows: two graduate courses with prefix CAP and two graduate courses with prefix CAP, CDA, CEN, CIS, COP, COT or CNT. Thesis students need to take *two* graduate courses with prefix CAP offered by the EECS department.

| Grade | Semester | Course Number/Name |
|-------|----------|--------------------|
| | | |
| | | |
| | | |

Electives - The last *three* electives must be chosen from the following ITOM courses:

| Grade | Semester | Course Number/Name |
|-------|----------|--|
| | | 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 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 |

Students in this concentration may satisfy the requirements for the Big Data Analytics certificate. Follow up with the EECS advisor to see if you meet all the requirements for the certificate.

THESIS OPTION (24 credits + 6 thesis credits)

Total: 30 credit hours _____

NON-THESIS OPTION

Total: 30 credit hours _____

GPA (at least 3.0) _____

Student Signature _____

Date _____

SUMMARY OF RULES FOR MS EGIT-CSDA DEGREE

Minimum Degree Requirements:

- Requires a total of 30 credits as follows: (1) non-thesis option: 30 credits of approved coursework, and (2) thesis option: 6 credits of orally defended written thesis and 24 credits of approved coursework.
- All courses in the degree program must be completed with a grade of “C” or better.
- At least one-half of the credits must be at the 6000 level or above.
- Overall graduate GPA of 3.0 or better.

Thesis Committee (for Thesis Option):

- Composed of at least three faculty members.
- At least two members from EECS Department and one member from College of Business.
- Chair from the EECS department.

Admission to Candidacy/Online Plan of Study:

Students must apply for candidacy as soon as they are eligible. Students should prepare, in consultation with a graduate advisor, an Online Plan of Study- i.e. the list of courses, for completing their degree requirements. All courses must be approved by the student’s advisor.

Admission to Candidacy/Online Plan of Study

Students must apply for candidacy as soon as they are eligible. Students should prepare, in consultation with a graduate advisor, an **Online Plan of Study** i.e. the list of courses, for completing their degree requirements. All courses must be approved by the student’s advisor.

A student is eligible to apply for candidacy when:

1. A minimum of 9 credit hours as a graduate student have been completed.
2. A minimum of 3.0 GPA in all courses attempted as a graduate student has been maintained.

Normally no more than 15 credit hours of work completed before submitting your Plan of Study will be accepted toward degree program. Students working toward the MS (thesis option) degree may not register for thesis until their Plan of Study has been approved.