

**M.S. IN INFORMATION TECHNOLOGY & MANAGEMENT
(CONCENTRATION: Advanced Information Technology)**

Name: _____ Z#: _____ Advisor: _____

Date of Admission: _____ Undergraduate Institution/Year: _____

GPA: _____ Major: _____ GRE/Year: _____

Prerequisites:

| Course No. | Course Title | Actual Course Title if Not Taken at FAU | Where | Grade |
|------------|--|---|-------|-------|
| COP 3530 | Data Structures and Algorithm Analysis | | | |
| CDA 4102 | Structured Computer Architecture OR | | | |
| CDA 3331C | Introduction to Microprocessor Systems OR | | | |
| CDA 4204 | CAD-Based Computer Design | | | |
| COP 3540 | Introduction to Database Structures | | | |
| COP 4610 | Computer Operating Systems | | | |
| COP 3813 | Intro to Internet Computing | | | |
| COP 3014 | Foundations of Computer Science AND | | | |
| COP 3014L | Foundations of Computer Science Lab | | | |
| MAC 2233 | Methods of Calculus | | | |
| STA 2023 | Introductory Statistics | | | |

Please note: The advisor will evaluate the academic and work experience of each candidate, which can be counted toward satisfying the prerequisites.

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

| Grade | Semester | Course Number/Name |
|-------|----------|--|
| | | CAP 6673 Data Mining & Machine Learning OR COP 6731 Theory and Implementation of Database Systems |
| | | CEN 5035 Software Engineering |
| | | COP 5339 Object-Oriented Software Design |
| | | ISM 6026 Management of Information Systems & Technology |

Electives - In addition, students need to take *five* electives from the following CEECS courses (If thesis-*three* electives):

| Grade | Semester | Course Number/Name |
|-------|----------|---|
| | | CAP 6315 Social Networks and Big Data Analytics |
| | | CAP 6411 Foundations of Vision |
| | | CAP 6673 Data Mining and Machine Learning (<i>if not taken as Core</i>) |
| | | CAP 6776 Information Retrieval |
| | | CAP 6778 Advanced Data Mining and Machine Learning |

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|--|--|--|
| | | CAP 6807 Computational Advertising and Real-Time Data Analytics |
| | | CEN 5086 Cloud Computing |
| | | CEN 6027 Software Maintenance & Evolution |
| | | CEN 6076 Software Testing |
| | | CEN 6085 Software Architecture & Patterns |
| | | CEN 6405 Computer Performance Modeling |
| | | CIS 6370 Computer Data Security |
| | | CNT 5109 Sensor Networks and Smart Systems |
| | | CNT 6517 Mobile Computing |
| | | CNT 6885 Video Communication |
| | | COP 6731 Theory and Implementation of Database Systems (<i>if not taken as Core</i>) |
| | | COT 5930 Topics in Computer Science |
| | | COT 6930 Topics in Computer Science |
| | | CTS 6319 Cyber Security: Measurement and Data Analysis |

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

| Grade | Semester | Course Number/Name |
|-------|----------|---|
| | | ISM 6058 Mobile Apps for Business |
| | | ISM 6136 Data Mining and Predictive Analytics |
| | | ISM 6316 Information Technology Project and Change Management |
| | | ISM 6328 Management of Information Assurance and Security |
| | | ISM 6368 Enterprise Information Technology Serv. Mgmt. |
| | | ISM 6405 Advanced Business Analytics |
| | | ISM 6508 Web-Based Business Development |
| | | ISM 6509 Information Technology Sourcing Management |
| | | ISM 6555 Social Media and Web Analytics |

At least (6) 6000 level courses are required toward fulfilling the degree requirements.

THESIS OPTION (27 credits + 6 thesis credits)

Total: 33 credit hours _____

NON-THESIS OPTION

Total: 33 credit hours _____

GPA (at least 3.0) _____

Advisor's Signature _____ **Date** _____

SUMMARY OF RULES FOR MS (EGIT) DEGREE

Minimum Degree Requirements:

- Prerequisites: all courses must have a grade of “C” or better.
- No course more than ten years old.
- All courses must have a grade of “C” or better.
- Overall graduate GPA of 3.0 or better.
- No more than 6 credits transferred from other institutions.

Thesis Committee (for Thesis Option):

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

A student is eligible to apply for candidacy/Online Plan of Study 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 submitted.

Additional Comments or Information:
