M.S. IN ELECTRICAL ENGINEERING WITH A MINOR IN BUSINESS WORKSHEET

Name: __________________________________ Z#:__________________    Advisor: __________________________________

Date of Admission: _____________ GPA: _____

Prerequisites
Laboratory 1 is mandatory. In addition, need to satisfy at least four more courses from the menu below.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Actual Course Title if Not Taken at FAU</th>
<th>Where</th>
<th>Grade</th>
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<tbody>
<tr>
<td></td>
<td>CDA 3331C Intro to Microprocessor Systems</td>
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<tr>
<td></td>
<td>EEL 3470 Electromagnetic Fields and Waves</td>
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<td></td>
<td>EEE 4361 Electronics 2</td>
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<td></td>
<td>EEL 4512 Communications Systems OR</td>
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<td>EEL 4652 Control Systems 1</td>
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<tr>
<td></td>
<td>EEL 4656 Analysis of Linear Systems</td>
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<tr>
<td></td>
<td>EEL 3118L Laboratory 1 (Mandatory)</td>
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Degree Requirements

The minor in Business is available to students pursuing the MS in Electrical Engineering non-thesis option. The program requires a minimum of 36 credits.

Graduate Math Requirement (3 credits):

<table>
<thead>
<tr>
<th>Grade</th>
<th>Semester</th>
<th>Course Number/Name</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>EEE 5502 Digital Processing of Signals</td>
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<td>EEL 5613 Modern Control</td>
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<td>EEL 5654 Controls II</td>
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<td>EEL 6482 Electromagnetic Theory 1</td>
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<td>EEL 6532 Information Theory</td>
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<td>EEL 6537 Detection Theory</td>
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<td>EEL 6935 Estimation Theory</td>
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<td></td>
<td></td>
<td>EOC 5172 Mathematical Methods in Ocean Engineering 1</td>
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<td></td>
<td></td>
<td>ISC 5451 Fractals and Chaos in the Life Sciences</td>
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<td>MAP 6264 Queueing Theory</td>
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<td></td>
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<td>Any GRADUATE LEVEL course with a Math prefix (MAA, MAD, MAP, MAS, MAT, MHF, MTG, STA)</td>
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</tbody>
</table>

ELECTRICAL ENGINEERING GRADUATE COURSES:

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<thead>
<tr>
<th>Grade</th>
<th>Semester</th>
<th>Course Number/Name</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>CDA 6214 Structured VLSI Design 1</td>
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<td>EEE 5321 CMOS Amplifiers</td>
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<td>EEE 5371 High Frequency Amplifiers</td>
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<tr>
<td>Grade</td>
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<td>EEE 5502 Digital Processing of Signals</td>
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<td>EEE 5557 Introduction to Radar Systems</td>
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<td>EEE 6323 RF CMOS VLSI Devices for Wireless Communications</td>
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<td>EEE 6374 RF Devices and Circuits</td>
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<td>EEE 6379 RF-Air Interface and Antennas in Wireless Communications</td>
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<td>EEE 6504 Adaptive Signal Processing</td>
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<td>EEE 6508 Advanced Signal Processing</td>
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<td>EEE 6585 Digital Processing Of Speech Signals</td>
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<td>EEL 5437 Microwave Engineering</td>
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<td>EEL 5500 Digital Communications Systems</td>
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<td>EEL 5613 Modern Control</td>
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<td>EEL 5654 Control Systems 2</td>
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<td></td>
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<td>EEL 5661 Robotic Applications</td>
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<td></td>
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<td>EEL 5934 Special Topics in Electrical Engineering</td>
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<td>EEL 6449 Fourier Optics and Holography</td>
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<td>EEL 6468 Smart Antennas</td>
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<td>EEL 6504 Digital Communications 2</td>
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<td>EEL 6509 Digital Satellite Communication</td>
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<td>EEL 6563 Fiber Optic Communication</td>
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<td>EEL 6593 Mobile Communication</td>
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<td>EEL 6597 Wireless Personal Communication Systems</td>
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<td>EEL 6621 Nonlinear Control Systems Engineering</td>
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<td>EEL 6682 Intelligent Control</td>
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<td>EEL 6819 Neural Complex and Artificial Neural Networks</td>
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<td>TCN 6120 Next Generation Telecommunications</td>
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<td>TCN 6122 Local Access &amp; Internet Telecommunication Engineering</td>
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**ELECTIVES:** Any other graduate courses taught by CEECS faculty (such as Bioengineering BME courses, or other graduate courses taught in the College of Engineering & Computer Science). Restrictions: 6 credits for non-thesis students.

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**Business Minor Courses (5 courses)**

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<thead>
<tr>
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<th>Semester</th>
<th>Course Number/Name</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>ACG 6027 Financial Accounting Concepts</td>
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<td>FIN 6406 Financial Management</td>
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<td>MAR 6055 Marketing Functions and Processes</td>
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<td>MAN 6937 Global Environment of Management OR</td>
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<td>MAN 6245 Organizational Behavior</td>
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<td></td>
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<td>ISM 6026 Management of Information Systems &amp; Technology OR</td>
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<td>QMB 6603 Data Analysis for Managers</td>
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**Student Signature: __________________________ Date: ________________**

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7.27.20
SUMMARY OF RULES FOR MS (ELECTRICAL ENGINEERING WITH A MINOR IN BUSINESS) DEGREE

Minimum Degree Requirements (36 credits)

- A 3-credit graduate math course.
- A minimum of 18 credits must be completed in EE
- Requires 15 credits of Business minor courses
- At least one-half of the credits must be at the 6000 level
- A maximum of 3 credits of Directed Independent Study (DIS) (EEL 6905) may be used to satisfy the coursework.

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, the 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 approved.