MATRICULATION YEAR FALL 2016

Students are required to earn a total of 32 credits (8 courses) at the graduate level (500-level and above) with grades of C or better. Students must achieve a degree GPA >=3.0 for the 32 credits used toward the degree.

PROGRAM REQUIREMENTS

1. **EE ELECTIVE REQUIREMENTS (20 credits)** - Please list your 20 credits (5 courses) from the electives on the next page. At least 12 of the credits (3 courses) must be Electrical Engineering Electives and at most 8 credits (2 courses) can be Computer Engineering Electives.

2. **GENERAL GRADUATE ELECTIVES (8 credits)** – Please list your 8 credits (2 courses) of general graduate electives. General graduate electives may include graduate-level ECE courses (including the electives on the next page), other College of Engineering graduate-level courses, and College of Arts and Sciences graduate-level courses in technical areas (e.g., computer science, mathematics, physics, biology) or MS Project or MS Thesis credits that are not counted towards the practicum.

   Please list your general graduate electives:

3. **PRACTICUM REQUIREMENT (4 credits)** – Please check one:
   - [ ] EC601: Product Design in ECE
   - [x] EC953: MS Project
   - [ ] EC954: MS Thesis

   Advisor Signature: ____________________________________________
MATRICULATION YEAR FALL 2016

ECE MS/MEng Electives
(See the College of Engineering Bulletin for course descriptions)

EE and CE electives are grouped according to sub-divisions. Please note the sub-divisions are specified to guide you in choosing electives according to your interests. The three courses used as EE electives can be chosen from a single sub-division of EE or they may be spread among multiple sub-divisions of EE.

**COMPUTER ENGINEERING ELECTIVES**

Computer Communications/Networks
- EC505, EC508, EC515, EC521, EC524, EC534, EC541, EC544, EC561, EC715, EC724, EC725, EC727, EC733, EC741, EC744, EC749

Hardware
- EC513, EC527, EC535, EC561, EC571, EC580, EC582, EC713, EC749, EC752, EC753, EC757, EC772, EC782

Software
- EC504, EC511, EC512, EC521, EC527, EC535, EC544, EC712, EC730

Cyber Security
- EC504, EC521, EC541 - CAS CS538, CAS CS548, CAS CS558

General
- EC601, EC602

**ELECTRICAL ENGINEERING ELECTIVES**

Note: These may be used as general graduate electives toward the MEng in CE degree

Signal Processing and Communications
- EC503, EC505, EC508, EC515, EC516, EC517, EC519, EC520, EC541, EC702, EC715, EC716, EC717, EC719, EC720

Systems and Control
- EC501, EC505, EC517, EC524, EC701, EC702, EC710, EC724, EC733, EC734

Sensing and Information
- EC503, EC504, EC505, EC508, EC515, EC516, EC517, EC520, EC521, EC702, EC715, EC716, EC717, EC719, EC720

Computational and Cyberphysical Systems
- EC501, EC504, EC524, EC535, EC541, EC544, EC701, EC724, ME/SE740, ME570

Bioelectrical
- EC505, EC516, EC520, EC571, EC580, EC582, EC716, EC717, EC720, EC772, EC782, EC765

Electromagnetics and Photonics
- EC562, EC563, EC566, EC568, EC569, EC570, EC573, EC591, EC707, EC731, EC760, EC762, EC763, EC764, EC765, EC770, EC773, EC777

Solid-State Circuits, Devices, and Materials
- EC571, EC574, EC575, EC577, EC578, EC579, EC580, EC582, EC770, EC771, EC772, EC774, EC775, EC777, EC782

General
- EC601, EC602, EC605