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
   - [ ] EC953: MS Project
   - [ ] EC954: MS Thesis

   Advisor Signature: ____________________________________________________________
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 EC551 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