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 $\geq 3.0$ for the 32 credits used toward the degree.

**PROGRAM REQUIREMENTS**

1. □ 4 credits of EC601 to satisfy the practicum requirement
2. □ 4 credits of EC602 to satisfy the software requirement
3. □ 12 credits of EE electives chosen from the list on the following page.

Please list your 12 credits (3 courses) from the EE electives listed on the next page.

- __________________________________________________
- __________________________________________________
- __________________________________________________

4. □ 4-credits chosen from either the EE or CE elective list

- __________________________________________________

5. **GENERAL GRADUATE ELECTIVES** – Please list your remaining 8 credits of general graduate electives. General graduate electives may include College of Engineering courses and College of Arts and Sciences courses in technical areas (e.g., computer science, mathematics, physics, biology) or MS Project or MS Thesis.

Please list your general graduate electives:

- __________________________________________________
- __________________________________________________

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.

**ELECTRICAL ENGINEERING ELECTIVES**

- **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, EC 504 EC505, EC508, EC515, EC516, EC517, EC520, EC521, EC702, EC715, EC716, EC717, EC719, EC720
- **Computational and Cyberphysical Systems**
  - EC501, EC504, EC524, 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

**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