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 in order to graduate. Students must achieve a degree GPA >=3.0 for the 32 credits used toward the degree. If cumulative GPA drops below 3.0, the student will be put on academic probation.

PROGRAM REQUIREMENTS

1. SOFTWARE REQUIREMENT (4 credits)
   - ☐ EC602: Design by Software in ECE* See note below
   - ☐ Check if exempt from EC602: Design by Software in ECE.
   - Department confirmation of exemption: _________________________________

2. PRACTICUM REQUIREMENT (4 credits) – Please select one: EC601: Product Design in ECE
   - ☐ EC601: Product Design in ECE* See note below
   - ☐ Check if exempt from EC601: Product Design in ECE.
   - Department confirmation of exemption: _________________________________

   Students who place out of EC601 must then select one of the following below:
   - ☐ EC953: MS Project
   - ☐ EC954: MS thesis

3. ECE GRADUATE ELECTIVES (16 credits) - Please list your 16 credits (4 courses) from ECE graduate courses at the 500-level or above (excluding EC601 and EC602). Include course numbers and complete course titles.

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________

4. GENERAL ELECTIVES (8 credits) – Students may take 8 credits (2 courses) of general graduate electives (not counted for their ECE electives). General graduate electives include College of Engineering graduate-level courses except courses utilized to meet other requirements. Graduate courses outside the college must be approved by the department MS committee; those listed on the back of this sheet have already been pre-approved (excluding EC601 and EC602). Include course numbers and complete course titles.

   ________________________________________________________________
   ________________________________________________________________

Student Signature ____________________ Advisor’s Signature ____________________

Departmental Signature ____________________________

*Note: In order to waive or be exempt from this requirement, students must pass a placement exam typically given at the beginning of the academic year.
Electives
(See the College of Engineering Bulletin for course descriptions)

The following subdivisions are provided-for informational purposes only-to guide you in choosing electives according to your interests.

**Bio-ECE and Digital Health**
EC505 EC516 EC520 EC555 EC571 EC580 EC582 EC716 EC717 EC720 EC772 EC782 EC765 CS585

**Computational and Cyberphysical Systems**
EC501 EC504 EC524 EC 535 EC541 EC544 EC605 EC701 EC724 ME740 ME570

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

**Cybersecurity**
EC503 EC504 EC521 EC535 EC541 EC544 CS542 CS548 CS552 CS558 CS568 CS640

**Data Science and Intelligent Systems**
EK500 EC503 EC504 EC505 EC528 EC517 EC524 EC541 EC544 EC719 EC724 EC733 CS506 CS542 CS640

**Hardware**
EC513 EC527 EC535 EC551 EC561 EC571 EC580 EC582 EC605 EC713 EC749 EC752 EC753 EC757 EC772 EC782

**Imaging and Optical Science**
EC520 EC555 EC562 EC568 EC577 EC762 EC763 EC777 CS585

**Mobile and Cloud Computing**
EC504 EC521 EC528 EC535 EC541 EC544 EC605 CS538 CS548 CS558 CS561 CS568

**Photonics, Electronics, and Nanotechnology**
EC555 EC562 EC563 EC566 EC568 EC569 EC570 EC573 EC579 EC591 EC707 EC731 EC760 EC762 EC763 EC764 EC765 EC770 EC773 EC777

**Sensing and Information**
EC503 EC504 EC505 EC508 EC515 EC516 EC517 EC520 EC521 EC702 EC715 EC716 EC717, EC719, EC720 CS542 CS585 CS640

**Signal Processing and Communications**
EC503 EC505 EC508 EC515 EC516 EC517 EC519 EC520 EC541 EC702 EC715 EC716 EC717 EC719 EC720 CS542 CS585 CS640

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

**Software**
EC504 EC511 EC512 EC521 EC527 EC535 EC544 EC605 EC712 EC730

**Systems and Control**
EC501 EC505 EC517 EC524 EC701 EC702 EC710 EC724 EC733 EC732 EC732 EC733 CS506 CS562 CS542 CS565 CS660 MA751 BE562 BI572 BE575 ME570 ME740