Approved Non-ECE Graduate Courses
Department of Electrical and Computer Engineering

Master of Electrical Engineering and Master of Computer Engineering students are strongly encouraged to select ECE courses for elective hours; however, students may also select up to two courses (maximum six credit hours) from the following list, with prior approval from their advisor.

Aerospace Engineering

All 5000 and 6000 level courses

Chemical Engineering

- CHEG 6000 Chemical Engineering Mathematics
- CHEG 6100 Chemical Engineering Thermodynamics
- CHEG 6200 Advanced Transport Processes
- CHEG 6300 Chemical Reaction Engineering
- CHEG 6400 Pollution Prevention Engineering

Civil and Construction Engineering

- CCE 5400 Transportation Planning
- CCE 6040 Advanced Structural Analysis
- CCE 6060 Dynamic Analysis of Structures
- CCE 6100 Civil Systems Analysis
- CCE 6350 Project Cost Estimating
- CCE 6370 Sensing and Modeling for Construction Management
- CCE 6380 Cyber-Physical Systems (CPS) Approach to Construction
- CCE 6480 Finite Element Applications
- CCE 6530 Traffic Model and Simulation
- CCE 6550 Travel Demand Analysis

Computer Science

All 5000 and 6000 level courses

Engineering Management

- EM 6120 Production/Operations Management
Industrial and Entrepreneurial Engineering

IEE 6060 Capital Budgeting and Cost Analysis
IEE 6100 Linear Programming for Engineers
IEE 6110 Deterministic Methods in Operations Research

Mechanical Engineering

All 5000 and 6000 level courses

Mathematics

All 5000 and 6000 level courses

Physics

All 5000 and 6000 level courses