

Electrical Engineering, MS

School/College: College of Engineering

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The Master of Science Program in Electrical Engineering provides graduate level education for advanced professional practice or further graduate studies. The program offers the following four tracks: Computer Engineering, Communications and Signal Processing, Electronic and Optical Materials and Devices, and Power Systems and Control.

Additional Admission Requirements:

- Unconditional admission requires an undergraduate degree in Electrical Engineering from an ABET accredited institution with an overall 3.0 GPA in all engineering courses.

Degree requirements

Total credit hours: 30

- Required courses (12 credits): ECEN 621, ECEN 629, ECEN 650, ECEN 668

Thesis Option

- ECEN electives (6 credits): Take 6 credits from ECEN 600-800 with approval of advisor
- Technical Electives (6 credits): Take 6 credit hours with approval of advisor
- Thesis (ECEN 797: 6 credits)
- Attend master's seminar
- Pass thesis defense
- At least 60% of the 30 credits (18) should be at 600-700 level

Project Option

- ECEN electives (6 credits): Take 6 credits from ECEN 600-800 with approval of advisor
- Technical Electives (9 credits): Take 9 credit hours with approval of advisor
- Project (ECEN 796: 3 credits)
- Attend master's seminar
- At least 60% of the 30 credits (18) should be at 600-700 level

Course Only Option

- ECEN electives (6 credits): Take 6 credits from ECEN 600-800 with approval of advisor
- Technical Electives (12 credits): Take 12 credit hours with approval of advisor
- Attend master's seminar
- Pass MSEE degree exit examination (ECEN 791: 0 credits)

At least 60% of the 30 credits (18) should be at 600-700 level