

Electrical Engineering, MS (Effective 2019-2020)

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:

An applicant may be unconditionally admitted to the MSEE program if he/she possesses an undergraduate degree in Electrical Engineering from an ABET accredited institution with an overall GPA of 3.0 or better on a 4.0 scale. In addition, each applicant must have a 3.0 average in all of his or her engineering courses. International students are not given unconditional status unless they submit the GRE scores to the School of Graduate Studies.

Degree Requirements

Total Credit Hours: 30

- Required Core Courses for All Options (12 credits): ECEN 621, ECEN 629, ECEN 650, and ECEN 668

Thesis Option

- ECEN Electives (6 credits): Take 6 credits from ECEN 600-800
- Technical Electives (6 credits): Take 6 credit hours with Advisor's Approval
- Thesis (6 credits): ECEN 797
- At least 60% of the 30 credits (18 credit hours) must be at the 600 or 700 level

Project Option

- ECEN Electives (6 credits): Take 6 credits from ECEN 600-800
- Technical Electives (9 credits): Take 9 credit hours with Advisor's Approval
- Project (3 credits): ECEN 796
- At least 60% of the 30 credits (18 credit hours) must be at the 600 or 700 level

Course option

- ECEN Electives (6 credits): Take 6 credits from ECEN 600-800
- Technical Electives (12 credits): Take 12 credit hours with Advisor's Approval
- Pass Exit Examination (0 credits): ECEN 791
- At least 60% of the 30 credits (18 credit hours) must be at the 600 or 700 level