

Catalog Search

Entire Catalog 

Search Catalog 

[Advanced Search](#)

- [Catalog Home](#)
- [About the University](#)
- [Colleges & Curriculum Pages](#)
- [Undergraduate & Graduate Degrees](#)
- [Undergraduate Minors](#)
- [General Education Courses](#)
- [Course Descriptions](#)
- [Undergraduate Studies](#)
- [Graduate School](#)
- [Policies](#)
- [Programs & Services](#)
- [Academic Administration](#)
- [Residency and Tuition Regulations for Veterans](#)
- [My Catalog](#)

Engineering, M.S.E., Electrical Engineering Concentration



[Return to: Undergraduate & Graduate Degrees](#)

All specialty aspects of electrical and computer engineering which align with the UL Lafayette Department of Electrical and Computer Engineering faculty's areas of expertise can serve as potential specialization areas for both course selection and thesis topics. Example areas of particular emphasis by the department include networks, fiber optics, communication system design and optimization, system controls, and materials.

Course Requirements

Thesis Program

For the Thesis Program, thirty (30) semester hours of graduate credit with a minimum GPA of 3.0 are required as follows: (1) a minimum of 12 credit hours of 500 and/or 400G level graduate courses in the Electrical and Computer Engineering Department with 6 of these credit hours being two core department courses that will be identified for the student upon acceptance into the program. [Note that no more than 9 graduate credit hours may be courses below the 500 level.]; (2) 6 credit hours achieved by the successful passing of two college level core graduate courses: ENGR 501 (or an approved EECE equivalent) and MCHE 508; (3) a minimum of 3 credit hours of either mathematics, statistics, or the sciences; (4) a minimum of 3 credit hours of additional graduate course work from either the Electrical and Computer Engineering Department or another engineering department; (5) presentation of the thesis to a general audience inclusive of the thesis committee and graduate faculty; and (6) a minimum of 6 credit hours of thesis work, successful verbal defense of thesis material, and a thesis approved by the graduate committee.

Non-Thesis Program

For the Non-Thesis Program, thirty-six (36) semester hours of graduate credit with a minimum GPA of 3.0 are required as follows: (1) a minimum of 18 credit hours of 500 and/or 400G level graduate courses in the Electrical and Computer Engineering Department with 6 credit hours being two core department courses that will be identified for the student upon acceptance into the program. [Note that no more than 12 graduate hours may be below the 500 level.]; (2) 6 credit hours achieved by the successful passing of two college-level core graduate courses: ENGR 501 (or an approved EECE equivalent) and MCHE 508; (3) a minimum of 6 credit hours of either mathematics, statistics, or the sciences; (4) a minimum of 6 credit hours of additional graduate courses from another engineering department; (5) a 3 credit hour directed independent study course and the presentation of a research report (based on material from one department core course); and (6) satisfactory performance on an oral comprehensive exam.

[Return to: Undergraduate & Graduate Degrees](#)



104 E. University Circle
Lafayette, LA 70503
(337) 482-1000
webmaster@louisiana.edu

Enter Your Email Address

SIGN UP



[Contact Us](#)

[A Member of the UL System](#) [IT Help & Support](#) [Web Accessibility](#) [Privacy Policy](#) [Emergency Information](#) [Donate](#)

All catalogs © 2019 University of Louisiana Lafayette. Powered by the Acalog™ Academic Catalog Management System™ (ACMS™),
Mobile Site.