Emphasis - Electrical Engineering

- M.S. in Engineering Science
- Emphasis - Electrical Engineering
- Degree Requirements

M.S. in Engineering Science

Description

The M.S. in engineering science is offered in a number of emphasis areas: aeroacoustics, chemical engineering, civil engineering, computational hydroscience, computer science, electrical engineering, electromagnetics, environmental engineering, geology, geological engineering, hydrology, mechanical engineering, material science and engineering, and telecommunications.

Minimum Total Credit Hours: 30

Course Requirements

A student must complete the requirements for an emphasis area. For most emphasis areas, the degree may be completed as either a thesis option (30-hour program, to include 6 hours of thesis) or nonthesis option (30- hour program, to include a minimum of 3 hours of a design-oriented project course).

Emphasis - Electrical Engineering

Description

An M.S. in engineering science with emphasis in electrical engineering prepares a student with advanced technical knowledge and communication skills for pursuing a career in industry, engineering research and development, public service, or for doctoral work.

Course Requirements

The M.S. with emphasis in electrical engineering can be completed as either a thesis or nonthesis option.

The thesis option requires at least 24 hours of course work and at least 6 hours of thesis credit. Of the 24 hours of course work, 3 to 6 hours can be in an approved minor area, at least 1 hour must be in seminar, and no more than 3 hours can come from research credit outside the thesis.

The nonthesis option requires 27 hours of course work and a 3-hour project or research course with a written report, final oral presentation, and final oral exam. Course work for either option must be approved by the student's advisory committee.

Other Academic Requirements

For either option, a candidate must pass a final oral examination.

Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

M.S. in Engineering Science

REQUIREMENT	HOURS	DESCRIPTION
Pass oral exam		Student must pass a final oral examination.
Select an emphasis		Student must enroll in one of the MS in Engineering Science emphasis areas: aeroacoustics, chemical engineering, civil engineering, computational hydroscience and engineering, computer science, electrical engineering, electromagnetics, environmental engineering, geological engineering, geology, hydrology, materials science and engineering, mechanical engineering, or telecommunication.
GPA requirements		A cumulative average of not less than 3.0 (B) must be achieved in all graduate work taken.
Engineering Dean's approval		This Degree Audit program is an advising tool only. The student must still apply for a degree by submitting their degree application to engineer@olemiss.edu. The dean's office will make the final certification that the courses listed on the application qualify the student for graduation. The Dean's Office will also determine if other university requirements (GPA, etc.) have been met.

Emphasis - Electrical Engineering

REQUIREMENT	HOURS	DESCRIPTION
Thesis vs non-thesis		Student must complete either the thesis or the non-thesis option for the MS in Engineering Science with Emphasis in Electrical Engineering. The student must also submit a thesis or research project to his/her GPC/Chair.
Non-thesis option	30	For the non-thesis option, the student must complete at least 24 hours of graded course work and one 3-hour project or research course. All course work must be approved by the student's GPC/Chair.
Thesis option	30	For the thesis option, the student must complete at least 24 hours of graded course work where 3 to 6 hours can be in an approved minor area, up to 3 hours can come from research credit outside the thesis and 1 hour must be in seminar. The student must also complete at least 6 hours of thesis credit. All course work must be approved by the student's GPC/Chair.
Thesis or project		For the thesis option, the student must submit a thesis to his/her GPC/Chair. For the non-thesis option, the student must submit a research project to his/her GPC/Chair.

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.