# Emphasis - Materials Science and Engr.


- M.S. in Engineering Science
- Emphasis - Materials Science and Engr.
- 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 - Materials Science and Engr.

## Description

A M.S. in engineering science with emphasis in materials science and 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 materials science and engineering can be completed as either a thesis or nonthesis option. The thesis option requires a minimum of 24 hours of course work as specified and approved by the student's adviser and 6 hours minimum of thesis credit. A nonthesis "project option" entails 27 hours of approved course work and 3 hours of a research project, plus a written report on the project and a comprehensive oral exam covering the project and all course work.

## 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 - Materials Science and Engr.

| 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 Materials Science and 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 27 hours of graded course work and one 3-hour research or project 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 and 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.