

Ole Miss

School of
Engineering



Student Handbook

Your Handy Guide

OLE MISS ENGINEERING

Welcome to the School of Engineering! You'll find most information you need online at engineering.olemiss.edu, but this guide gives you a quick overview to help you on your journey with us.

Our mission and vision	3
Diversity	4
Academic integrity	5
Dean's Office	6
Departments	7
Advising team	9
Tutoring	10
Course requirements	12
Student organizations	14
Academic organizations	16
Co-ops	18
Career support	19

Mission and Vision

OUR MISSION

The School capitalizes on its engineering science tradition, a low student to faculty ratio, and a rich liberal arts environment to give future professionals deep technical abilities, the capacity to adapt to the rapid changes in engineering, and the interdisciplinary background and aptitude for innovation that sets them apart from graduates of other engineering schools.

OUR VISION

The School will positively transform lives and communities through innovative engineering education and discovery.

OUR GOALS:

The School aims to:

- Ensure an environment conducive to learning, teaching and research. This includes a diverse and multicultural first-rate faculty, staff and students, and state-of-the-art facilities.
- Provide a top-quality ABET accredited undergraduate program suitable for the 21st century.
- Foster a vibrant graduate program and perform quality research in line with national trends and achieve national recognition in selected areas.
- Establish strong partnerships and lasting relationships with industry, government, professional societies, alumni, and academia.
- Make significant contribution to the technological and economic development of the State of Mississippi and the region through education, research, and service.
- Increase the visibility of the School of Engineering locally and nationally.

Diversity

The innovation and creativity fostered through diverse teams representing different backgrounds, perspectives and life experiences are needed to address engineering challenges of the 21st century and to advance our state.

We at the School of Engineering are committed to promoting a culture of diversity, equity, and inclusion throughout our constituencies.

Our chapters of the National Society of Black Engineers, the Society of Hispanic Professional Engineers, and the Society for Women Engineers help promote academic and professional success. This includes activities such as community outreach and alumni sharing their experience.

Thanks to supportive alumni, we offer scholarships for students who demonstrate a commitment to the advancement of women and minorities in engineering and computer science.

We are putting in place a targeted equity-in-action plan to create diverse workforce pipelines toward engineering careers. For our students, that includes activities such as:

- Tutoring and mentoring programs for success in and out of the classroom.
- Hands-on experience with internships and research opportunities.
- Greater alignment with the university's Improving Minority Access to Graduate Education (IMAGE) program.
- Networking opportunities, information sessions and technical talks with industry partners to encourage a diverse workforce.

Find out more at engineering.olemiss.edu/diversity.

Academic Integrity

Integrity and honesty are essential for success in your studies and career. It's a question of respecting your peers, professors, and others by following established ethical values.

The School of Engineering honor system seeks to instill in each student the highest standard of personal integrity and professional responsibility.

Unacceptable behavior includes:

- Plagiarism.
- Using someone's work.
- Knowingly allowing someone else to represent your work as their own.
- Gaining or attempting to gain an unfair advantage.
- Disruptive behavior.
- Harm to the facilities that support the academic environment.

HONOR PLEDGE

Our students are asked to adhere to the university's honor pledge:

"I pledge myself to uphold the highest standard of honesty in my university life and I will not tolerate dishonesty on the part of others."

ACADEMIC MISCONDUCT

First instance of misconduct

The relevant professor will apply a sanction such as a repeat assignment, fail or reduced grade.

Second instance of misconduct

The Dean or other school representative will meet with the student to discuss the seriousness of academic misconduct and attempt to identify the cause. They can decide to place an increased sanction such as disciplinary probation, suspension, expulsion, non-renewal of scholarships, non-eligibility for awards or course failure.

Find out more at engineering.olemiss.edu/integrity

Dean's Office

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(662) 915-5780

Adam Smith, Ph.D.

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aes@olemiss.edu

Glenn Walker, Ph.D.

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Kayla VonBurg-King

Communications Specialist
104 Brevard Hall
kvb@olemiss.edu

Departments

BIOMEDICAL ENGINEERING

Chair: Dwight Waddell, Ph.D.
302 Brevard Hall
(662) 915-2623

Office Contact: Andrew Stapp
303 Brevard Hall
(662) 915-3126
pastapp@olemiss.edu

CHEMICAL ENGINEERING

Interim Chair: John O'Haver, Ph.D.
134 Anderson Hall
662-915-7023

Office Contact: Anne Pringle
134 Anderson Hall
662-915-7023
abprinkl@olemiss.edu

CIVIL ENGINEERING

Interim Chair: Adam Smith, Ph.D.
217 Brevard Hall
662-915-5350

Office Contact: Lynne Trusty
106 Carrier Hall
662-915-7191
lmtrusty@olemiss.edu

COMPUTER AND INFORMATION SCIENCE

Chair: Yixin Chen, Ph.D.
203 Weir Hall
662-915-7438

Office Contact: Jennifer Vaughn
201 Weir Hall
662-915-7396
dept@cs.olemiss.edu

ELECTRICAL AND COMPUTER ENGINEERING

Chair: Ramanarayanan Viswanathan, Ph.D.
302 Anderson Hall
662-915-5353

Office Contact: Stefanie Delmastro
302 Anderson Hall
662-915-7231
sdelmast@olemiss.edu

GENERAL ENGINEERING

Director: Darin Van Pelt
237 Brevard Hall
662-915-7407

Office Contact: Loretta Spence
215 Brevard Hall
662-915-7027
laspence@olemiss.edu

Departments

GEOLOGICAL ENGINEERING AND GEOLOGY

Chair: Thomas Oommen, Ph.D.
120 Carrier Hall
662-915-5824

Office Contact: Sherra Jones
120 Carrier Hall
662-915-7498
sdj1@olemiss.edu

MECHANICAL ENGINEERING

Chair: A.M. Rajendran, Ph.D.
229A Carrier Hall
662-915-5770

Office Contact: Terence Williams
229 Carrier Hall
662-915-7219
tcwilli3@olemiss.edu

Advising

You'll have academic advisory support every step of the way – from your freshman year to graduation.

As part of orientation, we'll give you help in registering for your first classes at Ole Miss. Throughout the rest of your freshman year, the Center for Student Success and First Year Experience will provide academic advising.

Each semester following your freshman year, you will meet with an advisor to help schedule your courses.

Biomedical Engineering
Chemical Engineering
General Engineering

Parker Flowers
Academic Mentor
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pmflower@olemiss.edu

Computer Science
Computer Engineering
Electrical Engineering

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Civil Engineering
Geology
Geological Engineering
Mechanical Engineering

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Academic Advisor
106 Brevard Hall
(662) 915-5163
britni@olemiss.edu

To prepare for this meeting, you should review your Degree Audit in myOleMiss so you'll have an idea what courses you need to take.

Tutoring

Engineering requires work, ingenuity, passion and persistence. Ole Miss wants you to succeed: our tutors help you better understand core engineering topics.

Tutoring is available for a variety of STEM subjects. Engineering teaching assistants and honor students lead these help sessions at no charge.

Find out more at engineering.olemiss.edu/tutor

Course Requirements

MAJOR-DEFINED REQUIREMENTS

Each major has its own course plan, often to be taken in a set order. Find out the requirements for your major in your Degree Audit in myOleMiss or at catalog.olemiss.edu.

ACCEPTABLE COURSE CREDIT

The School of Engineering recognizes credit earned by:

- Advanced Placement classes
- dual enrollment
- International Baccalaureate

See the UM catalog for information about credit by exam.

TRANSFER CREDIT FROM OTHER INSTITUTIONS

You must get advanced approval from your department to receive credit for any courses taken at another institution.

See registrar.olemiss.edu/transferequivalencies/ to find out whether a course is transferable.

SALLY MCDONNELL BARKSDALE HONORS COLLEGE

Honors 101 and 102 can satisfy the First-Year Writing requirement. Or, the credits can be used as 3 hours of humanities and 3 hours of social science.

MINOR

You may pursue a minor in a department different from your major.

A minor typically consists of 18 hours, with the required courses outlined in the university undergraduate catalog. No more than 8 credit hours cited specifically by course number and title as a requirement for an engineering degree may be used toward fulfillment of the minor requirements.

A minor field may be in any discipline that offers a minor at Ole Miss, except for:

- Chemistry for chemical engineering, biomedical engineering, or pre-medicine students.
- Geology for geological engineering students.
- Computer science for computer engineering students

Course Requirements

SOCIAL SCIENCES, HUMANITIES, & FINE ARTS

The School of Engineering requires 18 hours of SS/H/FA courses.

Hours required

- 6 credit hours in social sciences.
- 3 credit hours in humanities.
- 3 credit hours in fine arts.
- Plus: 3 credit hours in humanities or fine arts
- Plus: 3 additional credit hours in social/behavioral science, humanities, fine arts, language or general education as defined by individual departments.

ACCEPTABLE COURSES

Use our advising guidance for social science, humanities and fine arts courses to make sure you meet your requirements.

Social sciences

Anthropology, Economics, Political Science, Psychology and Sociology courses.

Humanities

African American Studies, Classics, English Literature, Gender Studies, History, Philosophy, Religion and Southern Studies courses.

Fine Arts

Lecture-based courses taken in the history, appreciation and theory of art, dance, music and theatre arts. Studio type courses such as band, acting, dance, drawing, etc. are not applicable for an engineering degree.

General education

Select courses in military leadership, chancellor's leadership, business & speech.

Major-specific requirements can be found in your Degree Audit in myOleMiss or at catalog.olemiss.edu.

Course Requirements

GRADE POINT AVERAGE REQUIREMENTS

To graduate, the School requires, as a minimum, a 2.00 grade point average:

- for all courses taken at Ole Miss.
- for all college work attempted at all institutions.
- for School of Engineering course work.

The GPA is total quality points divided by hours attempted. Total quality points are calculated by multiplying credit hours by points earned for each class.

Student Organizations

You can join our engineering groups to deepen your connections within the school and to help local communities.

ENGINEERING STUDENT BODY

The Engineering Student Body (@olemissesb) oversees mentoring and tutoring programs, assists in the running of school-wide events, and participates in community service projects.

Contact: esb@go.olemiss.edu

Advisor: Megan Miller, megan2@olemiss.edu

NATIONAL SOCIETY OF BLACK ENGINEERS

National Society of Black Engineers (@olemissnsbe) promotes the academic and professional success of African-American engineers and engineering students.

Advisors: Tim Holston, ttholsto@olemiss.edu

Damian Stoddard, dlstodda@olemiss.edu

SOCIETY OF WOMEN ENGINEERS

The Society of Women Engineers (@sweolemiss) empowers women in engineering as exceptional leaders and professionals.

Advisor: Joanna Harrelson, jdh@olemiss.edu

SOCIETY OF AMERICAN MILITARY ENGINEERS

The Society of American Military Engineers (@sameolemiss) works to develop multi-disciplined solutions – engineering, cyber security, project planning and more – to national security challenges.

Advisor: Ned Mitchell, kenneth.n.mitchell@usace.mil

Student Organizations

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

The Society of Hispanic Professional Engineers (@shpeolemiss) is dedicated to fostering Hispanic leadership in STEM fields.

Advisor: Megan Miller, megan2@olemiss.edu

TAU BETA PI

The Tau Beta Pi honor society brings together high academic achievers in their junior and senior years to participate in tutoring projects and foster professionalism among students.

Advisor: Adam Smith, aes@olemiss.edu

UM ROCKET TEAM

The University of Mississippi Rocket Team (@umrocketteam) gives students hands-on experience in the rocket build, test and launch activities used by NASA and space industry engineers.

Advisor: Darin Van Pelt, dvp@olemiss.edu

Academic Organizations

You can enhance your personal and professional skills by joining your discipline's society. This gives you access to students, alumni, training and competitions beyond your studies.

BIOMEDICAL ENGINEERING

BIOMEDICAL ENGINEERING SOCIETY

Advisor: Nikki Reinemann

662-915-8973

dnreinem@olemiss.edu

CHEMICAL ENGINEERING

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

Advisor: Mike Gill

mwgill@olemiss.edu

CIVIL ENGINEERING

AMERICAN SOCIETY OF CIVIL ENGINEERS

Advisor: Grace Rushing

662-915-7191

gemcmahe@olemiss.edu

COMPUTER AND INFORMATION SCIENCE

ASSOCIATION FOR COMPUTING
MACHINERY

Advisor: Charlie Walter

662-915-7396

cwwalter@olemiss.edu

CODING CLUB

Advisor: Melody Xiong

662-915-1456

hxiong@olemiss.edu

UPSILON PI EPSILON

National Honor Society

Advisor: Joseph Carlisle

662-915-7784

jcarlis1@olemiss.edu

WOMEN IN CYBERSECURITY

Advisor: Yili Jiang

662-915-7002

yjiang7@olemiss.edu

Academic Organizations

ELECTRICAL AND COMPUTER ENGINEERING

INSTITUTE OF ELECTRICAL &
ELECTRONIC ENGINEERS
Advisor: Md. Sakib Hasan
662-915-5379
mhasan5@olemiss.edu

ETA KAPPA NU
National Honor Society
Advisor: Elliot Hutchcraft
662-915-6934
eeweh@olemiss.edu

GEOLOGY AND GEOLOGICAL ENGINEERING

AMERICAN ASSOCIATION OF
PETROLEUM GEOLOGISTS
Advisor: Lance Yarbrough
ldyarbro@olemiss.edu

ASSOCIATION OF ENGINEERING
GEOLOGISTS
Advisor: Lance Yarbrough
ldyarbro@olemiss.edu

SIGMA GAMMA EPSILON
National Honor Society
Advisor: Jennifer Gifford
662-915-2079
jngiffor@olemiss.edu

MECHANICAL ENGINEERING

AMERICAN SOCIETY OF
MECHANICAL ENGINEERS
Advisor: Farhad Farzbod
662-915-3488
farzbod@olemiss.edu

Co-ops

Cooperative education, or co-op, provides you with the unique opportunity of working in a professional capacity for several months during your time as an undergraduate student.

Our students have recently been on co-op placements at Dupont, International Paper, Medtronic, Tesla, Toyota, Viking Range and more.

With a co-op, you will take a semester (or more) off from classes and typically work full time for at least 16 weeks. This will be equivalent to a full academic load. The enrolled co-op student is considered full-time for insurance purposes and the deferment of loan repayment.

You are well compensated for your work and you gain relevant engineering experience to add to your resume.

Check out engineering.olemiss.edu/co-op

Career Support

Ole Miss Engineering will help you connect with the 100-plus employers who look to Ole Miss to employ engineering and computer science students for their full-time positions, co-ops, and internships. That could be through our bi-annual career fairs, company info sessions and hands-on events.

To prepare for a job, you can take advantage of our wide range of workshops. They cover everything from resume writing to interview skills to networking strategies. And, with our senior course on leadership skills, you'll get guidance from business, academic and military professionals on how to deal with real-world work situations.

Contact information - for co-ops and careers

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