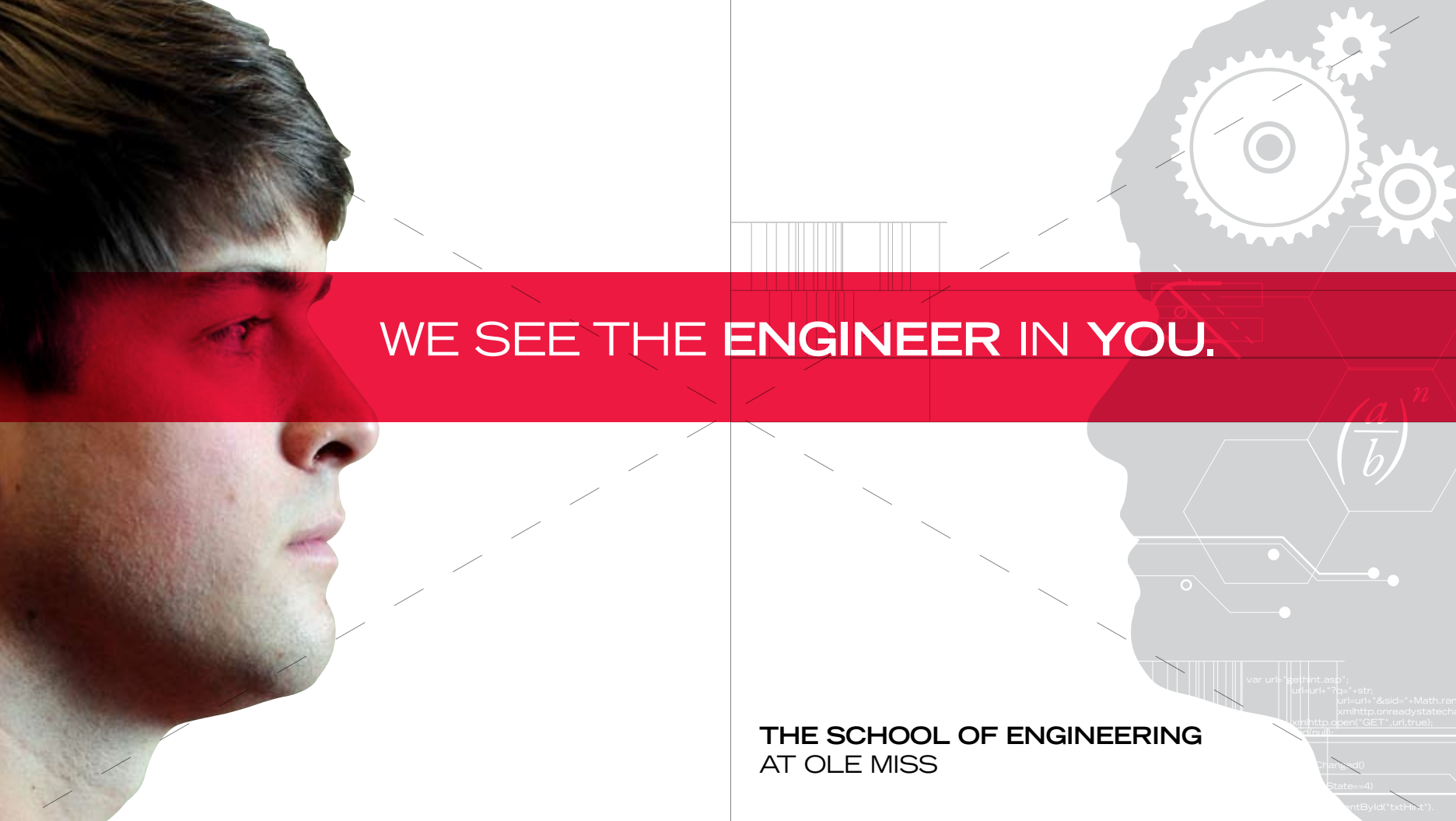

WE SEE THE ENGINEER IN YOU.
THE SCHOOL OF ENGINEERING
AT OLE MISS

THE SCHOOL OF ENGINEERING AT OLE MISS

WE SEE THE **ENGINEER** IN **YOU**

If you've been told by others that engineering is a demanding degree, you should know that they're right. But demanding doesn't mean impossible, not when you decide to major in engineering at Ole Miss.

The difference in our program is that not only will our professors push you to succeed, they will pull for you, too. For instance, every student who enters our program is assigned a mentor who knows the ropes and can guide you through tough course work. And even if you're feeling a bit underprepared for some demanding curriculum, we have ways for you to step back and get ready with classes that bring out your best math and science skills. We've taken extra steps to prepare you for life after school, with courses that help you learn how to present effectively, lead, socialize and conduct yourself on an interview or at a business dinner.

Make no mistake, when you finish an intensive program, you'll be prepared for a career, medical school or a host of other graduate opportunities. The difference is the better way you got there.

Ole Miss School of Engineering. Find **your** engineer.

Professor John O'Haver and students B.J. Wesley and Casey Wilson put their heads together in the lab.

WHAT CHEMICAL ENGINEERS DO

Chemical engineers build a bridge between science and manufacturing. Chemical engineers

- Clean up the environment
- Produce new, life-saving drugs
- Design new medical devices
- Produce integrated circuits, plastics and fabrics
- Manufacture alternative fuels

Chemical engineers must be renaissance men and women, able to apply principles of chemistry, physics, math, engineering and environmental sciences to solve problems efficiently and economically.

JOBS

Chemical engineers land jobs in manufacturing, energy production, pharmaceuticals, petrochemicals, plastics, biotechnology, environmental consulting, electronics, aerospace, food, personal care products—the list is almost endless. Because chemical engineers are so highly trained, their expertise is rewarded handsomely. According to the National Association of Colleges and Employers, a chemical engineer with a bachelor's degree can expect to earn an average of $64,902 the first year after graduation.

Ole Miss chemical engineering students are represented in the ranks of traditional chemical engineering employers such as ExxonMobil, International Paper and the federal government. But many alumni take a different path and find their chemical engineering education is the best preparation for technical graduate programs at top schools, medical school, law school or graduate business school.

Professor Cristiane Queiroz Surbeck (second from left) and students Rebecca Werner and Wesley Phillips from her environmental engineering course tour the Ole Miss wastewater treatment plant.

WHAT CIVIL ENGINEERS DO

Civil engineers serve as the engine behind the growth of modern cities. They use scientific knowledge and hands-on creativity to solve 21st-century problems: They design and build safe and efficient highway systems and airports; they plan ways to keep our water supplies clean and healthy; and they create soaring skyscrapers that can withstand earthquakes.

Civil engineers shape our world, our nation and our communities.

JOBS

Graduates have gone to work for some of the largest engineering firms in the South, or they have gone the government route, landing jobs with state departments of transportation or with the Army or Navy engineering corps. Many have gone on to engineering graduate schools. Recent graduates have entered nationally ranked graduate programs in prestigious institutions such as the University of California at Berkeley and Georgia Tech.

The nation's economic ups and downs do not affect qualified civil engineers—their expertise is always needed. Civil engineers entering the working world with a bachelor's degree can expect to make on average $52,048 the year after they graduate.

Professor Dawn Wilkins (left) and students Chelsea Norman and Daniel Read rebuild a computer for TREE (Technology Recycling to Enhance Education), an effort to recycle used computers.

WHAT COMPUTER SCIENTISTS DO

Graduates with degrees in computer and information science are prepared for a wide variety of computer-related careers, such as systems analyst, software and systems engineer, programmer and database administrator. Computer scientists work as designers, researchers and managers, using their technical expertise and creative insights to develop the technologies that shape the future, to help scientists unlock the secrets of the universe or simply to build innovative Web sites.

JOBS

Statistics show that despite the nation's economic ups and downs, demand for well-trained computer scientists continues to increase. Graduates entering the working world with a bachelor's degree in computer science can expect to earn an average of $61,205 their first year out of college. With recent changes in the job market, some graduates earn considerably more than that.

Recent graduates have been hired by major companies such as Federal Express, Wal-Mart, International Paper, Yahoo and Acxiom. Other graduates choose to continue in academia, many getting so involved in the program that they stay at Ole Miss through graduate school.

Professor Elliott Hutchcraft (center), recent graduate Max Woolsey (sitting) and student Keith Bryant work on an autonomous research submarine at the Ole Miss field station.

WHAT ELECTRICAL ENGINEERS DO

Electrical engineers design, develop, test and help manufacture the accoutrements of modern life. An electrical engineer might work for an electrical utility company, finding better ways to generate and distribute power, perfect robot-control systems for industry, design aviation electronics or radar systems for the U.S. military, or develop new wireless communication systems for a company.

JOBS

An electrical engineering degree provides graduates with a broad-based body of scientific knowledge that is handsomely rewarded in the job market. Electrical engineering graduates can expect to make an average of $60,125 their first year out of college.

Ole Miss electrical engineering graduates are prepared to do just about anything—and they do. Our alumni include heart surgeons, software company owners, the head of the geophysics department at Stanford University and the owner of a broadcasting company.

Recent graduates have obtained jobs at well-known companies and organizations such as Borg Warner, Eaton Aerospace, Intel, Motorola, NASA, Nissan, Raytheon and Western Digital.

Geological engineering students Paul Dickson (left) and Chap Brackett are shown at Lakota Peak, S.D., measuring rock strata properties during a five-week field course.

WHAT GEOLOGISTS AND GEOLOGICAL ENGINEERS DO

Geologists study Earth's origins and its composition, processes and history. Geologists investigate natural hazards, climate change, natural resources and hydrology. Geological engineers design safe, economic and efficient solutions to problems humanity faces within natural geological systems.

Both disciplines require training in the basic sciences and mathematics and apply them to natural geological systems. Students in our undergraduate programs enjoy working with applied sciences in a natural setting. Both disciplines help identify and clean up environmentally contaminated sites.

JOBS

Both the geology and geological engineering programs include several courses with applications in the field, in traditional laboratories and in modern, well-equipped computer laboratories. Salaries of recent graduates of the B.S. in geological engineering program commonly range from $42,000 to $64,000 and are rising. Salaries of recent graduates of the B.S. in geology program commonly range from $38,000 to $45,000 and are rising. Careers in both disciplines include

- Mapping and resource-assessment geologist for a state or federal government agency
- Geotechnical engineer for a consulting company or environmental law
- Project manager for a mining or oil and gas exploration company
- State or federal inspector of major construction projects in difficult geological terrains
- Oceanographer pursuing marine geological studies aboard a research vessel
- Research scientist for a university-based research institution
- Secondary school teacher or university professor in any of dozens of geological subdisciplines

Professor Ellen Lackey (center) works with students Alex McClarty and Alissa Carroll in the mechanical engineering lab.

WHAT MECHANICAL ENGINEERS DO

Mechanical engineers work in nearly every industry. They research, develop, design, manufacture and test leading technologies, engines, mechanisms and machines. Mechanical engineers design cars and aircraft, build robots used in manufacturing, research new ways of producing energy, design biologically inspired engineering systems and manipulate nanomaterials to make structures stronger. Mechanical engineers provide the foundation for the growth of the world, and their skills enable them to engage in multidisciplinary engineering fields.

JOBS

As technology advances and changes the structure of the world, well-trained mechanical engineers are always needed. Mechanical engineers entering the work force with a bachelor's degree can expect to make more than $58,766 their first year out of college. Ole Miss mechanical engineering graduates go on to work for virtually every possible industry, landing jobs at companies including ExxonMobil, Lockheed-Martin, NASA, Nissan, IBM, Motorola, Proctor & Gamble, General Motors, the Army Corps of Engineers and smaller, private firms around the world.

Professor Marni Kendricks (right) mentors Kaylen Addison, a student who is majoring in general engineering with an emphasis in public policy leadership.

WHAT GENERAL ENGINEERS DO

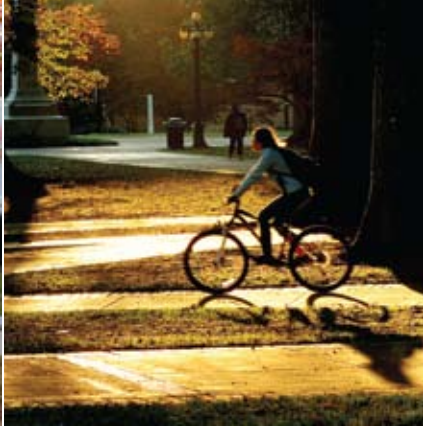
All engineers, no matter the discipline, apply the theories and principles of science and mathematics to research and develop economical solutions to technical problems. Engineers provide the link between science and society.

As an undergraduate degree, general engineering trains students in a way of thinking—an organized and logical way to approach problems. Because those skills are valued in all careers, no other undergraduate degree provides graduates with so many varied options in the working world.

Ole Miss general engineering emphases include pre-med, pre-law, manufacturing, public policy leadership, education, business, the military and other areas.

JOBS

A student armed with an Ole Miss Bachelor of Engineering degree is prepared to pursue a variety of jobs. Past Ole Miss general engineering graduates have gone on to medical or law school, careers in the military, business, management, teaching and communications.



FELLOWSHIPS AND SCHOLARSHIPS

Awards are available for entering engineering freshmen and transfer students ranging from $4,000-$24,000 ($1,000-$6,000 per year).

Like most academic-based awards, engineering scholarships are competitive. Each scholarship applicant will be ranked by merit, with primary weighting being placed on the student's academic GPA, ACT/SAT math score and ACT/SAT science score. Admitted students may apply for the engineering scholarships by completing a University of Mississippi online scholarship application. For more information on scholarships and requirements, visit www.engineering.olemiss.edu.

Engineering scholarships can be awarded in addition to other university awards based on a student's eligibility. For more information, contact The University of Mississippi Department of Financial Aid at 800-891-4596, finaid@olemiss.edu or www.olemiss.edu/depts/financial_aid/undergraduate.

CO-OPS AND INTERNSHIPS

You need experience to get hired, and you need to get hired to get experience.

Co-op and internship opportunities integrate theory with practice by blending classroom learning with practical work experience. Through the Ole Miss Engineering Co-Op Program and through internships in the engineering field, your career goals and work preferences are paired with prospective employment opportunities.

The University of Mississippi's Engineering Co-op Program and the university's Career Center work closely together to provide career and placement assistance to students, graduates and employers. The Career Center, www.career.olemiss.edu, offers one of the nation's largest university career resource libraries. The School of Engineering Web site, www.engineering.olemiss.edu, also includes a partial listing of interested corporate co-op partners. We are constantly adding entries to this database as companies contact us to recruit engineering graduates and co-op students.

Ole Miss engineering students have worked for such companies as Ergon Inc., Caterpillar Inc., Johnson & Johnson, Advanced Distributor Products, Packaging Corporation of America, Entergy and Southern Company.

STUDY ABROAD

Through the Division of Outreach and Continuing Education, engineering students have the chance to study abroad during their time at Ole Miss. Opportunities include living abroad for a semester or a year, or traveling with an Ole Miss professor and student group for a couple of weeks during winter and summer terms. Engineering students have spent time living and working in Germany, Belize, Australia and Romania. For more information, visit www.outreach.olemiss.edu/study_abroad.

STUDENT ORGANIZATIONS

The Ole Miss School of Engineering houses many active student organizations. Students in all departments have access to honor societies, student chapters of professional organizations and special interest groups such as the Society of Women Engineers and Engineers without Borders.

Just a few School of Engineering student organizations include

- Tau Beta Phi
- Engineering Student Body
- Society of Women Engineers
- National Society of Black Engineers
- Engineers Without Borders
- National Association of Professional Engineers
- American Institute of Chemical Engineers
- American Society of Mechanical Engineers
- American Society of Civil Engineers
- Association for Computing Machinery
- University of Mississippi Geological Society
- Institute of Electrical and Electronics Engineers

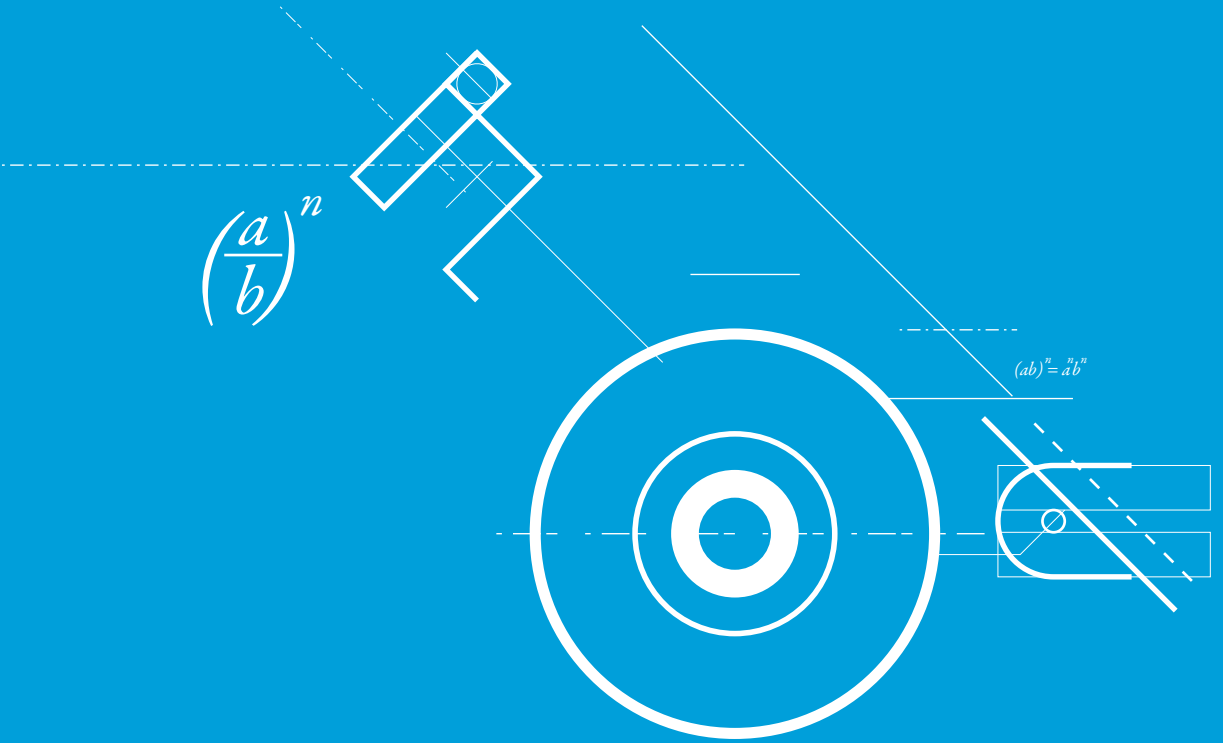
SOUTHERN REGIONAL ACADEMIC COMMON MARKET (ACM)

An out-of-state tuition waiver is available for **geological engineering** students who are residents of Alabama, Arkansas, Delaware, Georgia, Kentucky, Louisiana, Maryland, Oklahoma, South Carolina, Tennessee, Virginia and West Virginia.

Beginning in 1974, in cooperation with the Southern Regional Education Board, this program has allowed higher education institutions to share specialized degree programs for residents among its state membership.

- The waiver requires a separate state-of-residence application for approval.
- Each student must be admitted unconditionally into the requested degree program.
- The only undergraduate engineering degree currently offered is in geological engineering.

Ole Miss School of Engineering bachelor degree programs in chemical, civil, electrical, geological and mechanical engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202. Telephone: 410-347-7700. The computer science program is accredited by the Computing Accreditation Commission of ABET. The Bachelor of Engineering program is not accredited by a commission of ABET; it is designed to provide students with maximum flexibility in selection of a curriculum to suit individual interests.



CONTACT US

Office of the Dean
School of Engineering
The University of Mississippi
P.O. Box 1848
University, MS 38677-1848
662-915-5780
800-563-5780
www.engineering.olemiss.edu

```
var url="                    ";
url=url+"?q=
url=url+"&sid="+
xmlhttp.onreadystatechange=stateChanged;
xmlhttp.open("GET",url,true);
xmlhttp.send(null);
}

function stateChanged()
{
if (xmlhttp.readyState==4)
  {
  document.getElementById("txtHint").innerHTML=xmlhttp.responseText;
  }
}
```


The
University of Mississippi
experienceamazing