UNDERGRADUATE STUDENTS

399 Enrolled
22% Underrepresented minorities
25% Women
1370 Average SAT score of fall 2016 incoming class

GRADUATE STUDENTS

180 Enrolled
17% Women
321 Average GRE score of fall 2016 incoming class

FACULTY

20 Tenure/tenure-track faculty
3 Members of the National Academy of Engineering
12 Distinguished members of the Society of Petroleum Engineers
300 Published journal and conference papers annually

DEGREES AWARDED 2016-17

91 Bachelor’s degrees
43 Master’s degrees
18 Doctoral degrees

DEPARTMENT SNAPSHOT

In the Hildebrand Department of Petroleum and Geosystems Engineering, we are advancing sustainable oil and gas production technologies that power the world. With a long history of educating many of the industry’s leading innovators and top executives, we continue to provide students with extraordinary educational opportunities that equip them with the skills and experience necessary to succeed.

AREAS OF FOCUS

- Drilling and Completions
- Enhanced Oil Recovery
- Formation Evaluation
- Integrated Reservoir Characterization
- Geologic Carbon Storage
- Hydraulic Fracturing and Reservoir Geomechanics
- Natural Gas Engineering
- Petrophysics and Pore Scale Processes
- Production Engineering
- Reservoir Engineering
- Reservoir Simulation
- Unconventional Resources

NATION’S BEST PROGRAM

U.S. News & World Report Program Rankings

#2 Undergraduate Petroleum Engineering
#1 Graduate Petroleum Engineering

PREPARING STUDENTS FOR INDUSTRY SUCCESS

At the First-Year Fall Retreat, students shake hands with industry representatives and meet their classmates before the semester begins. Upperclassmen mentors help new students achieve their academic goals during their first year on campus.

Each spring, the Freshman Professional Development Workshop Series connects first-year students with faculty and industry representatives to learn how to successfully find and obtain internships.

In associate professor Maša Prodanovic’s study abroad program in Croatia, students solve geological engineering problems through computer programming while studying the country’s unique geological formations. Participants also attend an international oil and gas conference.

After Graduation

AVERAGE STARTING SALARY

$81,600

89 percent of undergraduates secure employment or immediately enroll in a graduate program after graduation.

One in 10 petroleum and geosystems engineering alumni serves in an executive-level position in industry.

RECENT RESEARCH HIGHLIGHTS

Professor Mukul Sharma has created the world’s largest database for multi-phase flow, ANNA, leading to better well productivity for industry.

The real-time drilling operations center developed by professor Eric van Oort analyzes data streamed from industry drilling rigs. By revealing drilling inefficiencies, the program could save corporate partners millions of dollars.

Assistant professor Hugh Daigle has developed a new technique for separating oil from water through magnetic nanoparticles to help clean up offshore oil spills.

2016-17 RESEARCH EXPENDITURES

$13 Million

Updated November 2017 based on current data