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.

**Undergraduate Students**
- **349** Enrolled
- **28%** Underrepresented minorities
- **21%** Women
- **1398** Average SAT score of fall 2019 incoming class

**Graduate Students**
- **164** Enrolled
- **18%** Women
- **317** Average GRE score of fall 2019 incoming class

**Faculty**
- **20** Tenured/tenure-track faculty
- **4** 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 2018-19**
- **89** Bachelor’s degrees
- **26** Master’s degrees
- **25** Doctoral degrees

**2018-19 Research Expenditures**
$11.7 Million

**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

**Recent Research Highlights**
Professor Kishore Mohanty is working alongside engineers in India to provide knowledge and expertise on how to most efficiently recover oil to meet the country’s growing energy needs.

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.

**Preparation 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.

In the spring, the department hosts an Alumni-in-Residence Program that invites prominent UT PGE graduates to the Forty Acres to mentor and teach students. Scott Sheffield, the CEO of Pioneer Natural Resources, served as the inaugural alumnus in 2019.

Two faculty members are leading a Norway Maymester Engineering Program in the summer of 2020. This course provides a unique opportunity to study energy and global culture in the midst of the stunning natural beauty of Norwegian fjords and mountains. Students will visit several sites during the course to see equipment and training facilities at prominent oil and gas companies.