The Harold Vance Department of Petroleum Engineering at Texas A&M University is one of the top petroleum engineering programs in the United States, ranking first or second at both the undergraduate and graduate levels for many years.

We want “I am an Aggie Petroleum Engineer” to be the most respected, prestigious self-definition within the petroleum engineering profession.

Our mission is:
• to create, preserve, integrate, transfer and apply petroleum engineering knowledge; and
• to produce capable future engineers and to enhance the capabilities of current practitioners

Our primary goals are to produce highly-qualified U.S. and international graduates, place these graduates into entry-level industry positions or graduate and professional programs, conduct world-class research in our field, and provide service to our profession and our industry.

Our undergraduate curriculum provides every student with a solid foundation in petroleum engineering fundamentals, but we also insist on experience in the industry through internships. As a result, our graduates enter the industry ready to be productive contributors. They also understand the need to continue to learn and improve their skills throughout their careers.

Our graduate programs stress continued education and specialization. The M.S. and Ph.D. programs offer opportunities to conduct original research, working closely with renowned faculty. The M.Eng. program allows accepted applicants to work on their degree from anywhere in the world through distance learning.
## Faculty

<table>
<thead>
<tr>
<th>Position</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Distinguished professors</td>
<td>1</td>
</tr>
<tr>
<td>Professors</td>
<td>16</td>
</tr>
<tr>
<td>Associate professors</td>
<td>4</td>
</tr>
<tr>
<td>Assistant professors</td>
<td>6</td>
</tr>
<tr>
<td>Lecturers</td>
<td>3</td>
</tr>
<tr>
<td>Professors of practice</td>
<td>10</td>
</tr>
<tr>
<td>Visiting professors</td>
<td>1</td>
</tr>
<tr>
<td>National Engineering Academy members</td>
<td>3</td>
</tr>
<tr>
<td>Society of Petroleum Engineers distinguished members</td>
<td>18</td>
</tr>
</tbody>
</table>

Scholarly publications produced:
- conference papers: 106
- referred journal papers: 74

## Research

We have the largest and broadest petroleum engineering faculty in the U.S., so we have a large, diverse portfolio covering virtually all aspects of petroleum engineering research. Our funding comes from federal, state, industrial, and other sources.

### Department Research Programs

- **Acid Stimulation Research**
  - improves matrix stimulation with experimental acidizing processes and theoretical simulation models
- **Chaparral-Fischer CO₂ Enhanced Oil Recovery Center**
  - investigates carbon dioxide as an enhanced oil recovery agent in conventional and unconventional reservoirs
- **Crisman Institute for Petroleum Research**
  - enhance development of petroleum engineering technology through industry-directed research
- **Foundation CMG Chair Research**
  - pursues robust reduced complexity modeling in reservoir engineering
- **Heavy Oil, Oil Shales, Oil Sands, and Carbonate Analysis and Recovery Methods**
  - investigates recovery of unconventional oil resources using environmentally friendly and economic solutions
- **Model Calibration and Efficient Reservoir Imaging**
  - improves reservoir modeling, history matching and streamline simulation technologies

## Contact information:

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