Schulich School of Engineering

OIL AND GAS ENGINEERING

Bachelor of Science in Engineering - BSc (Eng)

Oil and gas engineering involves the production of oil and gas in an economical and environmentally safe manner. The technical knowledge and hands-on experience you’ll gain in this program are specific to industry requirements so you can be sure your degree will be relevant to your chosen field. During the course of your studies, much of your learning will occur in class, during tutorials and through completing a team-based design course in your fourth year.

Did You Know?

As an oil and gas engineering student, you can complete a minor in entrepreneurship and enterprise development or management and society.

Awards

SCHULICH SCHOOL OF ENGINEERING COMMUNITY SERVICE OR ACADEMIC EXCELLENCE SCHOLARSHIPS - UP TO $24,800 (RENEWABLE)

PRESIDENT’S ADMISSION SCHOLARSHIPS - $5,000

Job Titles

DRILLING OPTIMIZATION ENGINEER

PETROLEUM ENGINEER

PROJECT MANAGER

Chemical and Oil & Gas Engineering Students’ Society

Schulich Soundstage

Ravinder Minhas
BSc (Eng) ’05
Co-founder of Minhas Micro Brewery, Minhas Micro Distillery and Minhas Craft Brewery, Ravinder Minhas is also the owner of Shergill Homes and executive producer of Spotlight Productions.

I feel the oil and gas industry will give me a career that will allow me to grow and develop. I’ve been inspired to get involved with different types of technologies and understand the environmental conditions so that we can adapt to them and be able to limit our carbon footprint for the future, and hopefully help future students do the same.

Annicia P., Oil and Gas Engineering Student

View Program Requirements

1. Visit ucalgary.ca/future-students/undergraduate/explore-programs
2. Select your program
3. Select your type of admission (high school or transfer)
4. Choose the location of your high school

Sample First-Year Courses

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus for Engineers and Scientists (MATH 275)</td>
<td>Multivariable Calculus for Engineers and Scientists (MATH 277)</td>
</tr>
<tr>
<td>Engineering Design and Communication (ENGG 200)</td>
<td>Fundamentals of Electrical Circuits and Machines (ENGG 225)</td>
</tr>
<tr>
<td>Computing for Engineers (ENGG 233)</td>
<td>Engineering Statics (ENGG 202)</td>
</tr>
<tr>
<td>Linear Methods I (MATH 211)</td>
<td>Electricity and Magnetism for engineers (PHYS 259)</td>
</tr>
<tr>
<td>General Chemistry for Engineers (CHEM 209) or Behaviour of Liquids, Gases and Solids (ENGG 201)</td>
<td>General Chemistry for Engineers (CHEM 209) or Behaviour of Liquids, Gases and Solids (ENGG 201)</td>
</tr>
<tr>
<td>Complementary studies option (optional)</td>
<td></td>
</tr>
</tbody>
</table>

This program features a common first year, which will introduce you to a variety of engineering disciplines. You’ll apply for admission to a specific program at the end of your first year.