

Petroleum Engineering

Summer STEM Course – July 13 – July 17

Introduction to the Oil & Gas Industry
Taught by Petroleum Experts

The 5-day summer petroleum mini-course is designed and taught by petroleum experts. This course gives students an introduction to oil and gas industry as well as show how the industry impacts the world. In this course, students will learn basic concepts and have hands on experience on the following topics: properties of petroleum fluids, formation rocks, flow in reservoirs, reservoir energy, drilling an oil and gas wells, production system, hydraulic fracturing, etc. Students will have a chance to play with the full-size drilling simulator, build a monitoring system (temperature and pressure), design drilling fluids, conduct simple tests on petroleum fluids and formation rocks, visit flow loops and research facilities, etc. For more detail, please visit our website:

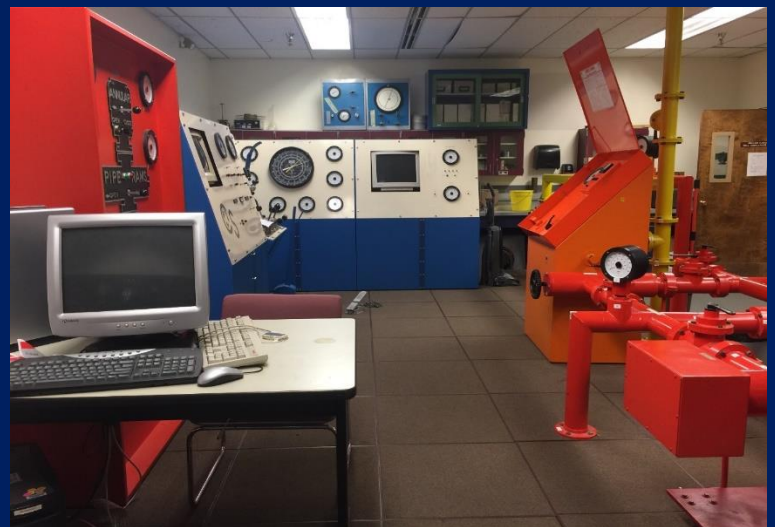
<https://www.nmt.edu/stem/sse/sse-index.php>



Multiphase Testing Facility



Student Field Trip



Full-size Drilling Simulator