INTRODUCING NEW

MASTER'S PROGRAM

If you have any B.S. degree, and fulfill the admission requirements of UW, you can apply for our course-based Master of Petroleum Engineering degree with the following features:

- Can be taken on campus or through Distance Delivery Mode (DDM), or a combination of both.
- Those with a B.S. in Petroleum Engineering (PETE) can choose courses from the following specialized paths or a combination of them.
- Those with non-PETE degree, need to take minimum of 5 core courses in Petroleum Engineering and the remaining can be taken from a combination of the specialized paths.

ENERGY

- Hydrogen Production Technologies
- Gas Separation and Purification
- Petroleum and Geothermal Energy
- Carbon capture, Utilization and Storage
- Life Cycle Analysis
- Oil & Gas Conversions to High-Value Products
- Energy, Environment & Materials
- Thermodynamics
- Heat and Energy Transfer
- Energy Technology Research Methods

DATA ANALYTICS

- Programming foundation
- Database Systems, Cloud and Data Engineering
- Data Mining- Introduction
- Managing Data Science Projects
- Capstone / Internship
- Time Series Analysis
- Information Visualization Engineering
- Data Mining- Advanced
- Natural Language Processing/Text Mining
- Deep Learning
- Graph Modeling

DRILLING

- Advanced drilling engineering
- Advanced well control
- Managed pressure drilling
- Drilling problems and solutions
- Horizontal drilling and completions
- Advanced well intervention
- Drilling data analytics
- Deepwater drilling engineering

BLOCKCHAIN

- Fundamentals of Blockchain
- Business Application of Blockchain
- Case Studies in Blockchain
- Blockchain in Energy
- Blockchain for Oil and Gas