A World Hub for Energy Study

The University of Alberta is noteworthy in North America for offering a Master’s level designation in Natural Resources, Energy and Environment (NREE) Management. The University’s Engineering Faculty similarly houses Canada’s largest School of Petroleum and Mining Engineering. Its energy focus attracts research specialists, post-doctorate fellows, and outstanding graduate students to Alberta from across the globe. We in turn draw upon the expertise at hand to develop customized short-term training opportunities for working petroleum executives. Instructors for our shorter-term programs are chosen for classroom coaching skills and for extensive personal experience in the energy sector.

This year’s new program in Oil and Gas Pipeline Management is the first joint industry-academy initiative in executive education, and the first to be organized around changing technical demands in the mid-stream sector.

Oil and Gas at a Leading North American University

Alberta’s Edmonton-to-Calgary corridor is backbone to one of the world’s fastest growing petroleum regions. The University of Alberta plays a key role in fostering fuel-based economic growth, technology innovation, and skilled workforce capacity for the region. Resident and visiting energy executives meet at its century-old campus for an array of after-degree or mid-career enhancement opportunities.

The University of Alberta counts among the top 75 universities worldwide in such petroleum foundations as engineering, geoscience, economics or social science (ARWU 2013). Eighteen specialized centres for energy research are located here. The University’s School of Business is equally prominent in global rankings. The Financial Times placed it in its worldwide Top 100 graduate (MBA) schools in 2013. It was judged first in value for money and second for career placement in Canada this year. Our Executive MBA program has placed in the FT’s Top 40 since 2005; last year for example it ranked 36th in “aims achieved.” At the doctoral level, the School ranks among the Top 10 public universities for research (9) and in the Top 40 for PhD programs (35). Recognized faculty strengths are in energy and environmental management, accountancy theory, and professional service firm analysis.

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Week One

Edmonton and Fort McMurray

- Orientation and group business case introduction
- Global trends and emerging issues
- Oil and gas regulatory frameworks up close
- Strategic Management
- Business models for value capture
- Industry site visits
- International energy transport agreements
- Negotiating for transportation managers
- Unconventional oil and gas technologies
- Excursion to oil sands operations (Fort McMurray)

Week Two

Calgary and Rocky Mountains

- Pipeline operations
- Pipeline integrity management
- Materials and design considerations
- In-line inspection and leak detection
- Onshore and offshore petroleum transport
- Effective supply chain management
- Visits to pipeline companies, regulatory agency
- Case study presentations
- Excursion to the Rocky Mountains (Columbia Icefield, Banff)

For more information on separate program sessions, instructors, site visits or excursions, please go to: www.business.ualberta.ca/Centres/cibs