



**Maroun Semaan Faculty
of Engineering and Architecture**
Baha and Walid Bassatne Department of
Chemical Engineering and Advanced Energy

APPLICATION TO MINOR IN PETROLEUM ENGINEERING

Term: _____ Academic Year: _____

Student's Information:

Name: _____ ID#: _____

Email: _____ Major: _____

Graduation date (month/year) _____

Registered Courses

<u>Core Courses (9 cr.)</u>	<u>Grade</u>	<u>Elective Courses (9 cr.)</u>	<u>Grade</u>
<input type="checkbox"/> PETR 200 / CHEN 490 _____		1. _____	_____
Two courses from the following list:		2. _____	_____
<input type="checkbox"/> PETR 312 / CHEN 593 _____		3. _____	_____
<input type="checkbox"/> PETR 322 / CHEN 595 _____			
<input type="checkbox"/> PETR 421 / CHEN 690 _____			
<input type="checkbox"/> PETR 432 / CHEN 592 _____			

(If students took 2 out of the 4 core courses from the core courses list, the remaining 2 courses can be taken as an elective for the minor).

Date: _____ Advisor's Name _____

Signature _____

Minor in Petroleum Engineering

The minor in Petroleum Engineering is open to AUB students from all majors, who have finished their first one academic year (non-engineering students) and their first academic two years (engineering students) and have attained a GPA ≥ 70 .

Minor Program Requirements (18 Credits)

The Student taking the minor is required to complete 18 credits from the list given below. The student has to complete 9 credits of core courses and 9 credits of elective courses. *(If students took 2 out of the 4 core courses from the core courses list, the remaining 2 courses can be taken as an elective for the minor).*

Required Core Courses (9 Credits)

- PETR 200 Introduction to Petroleum Engineering [3 cr.] *Prerequisite: NA*
Two courses from the following list:
- PETR 322 / CHEN 595 Drilling Engineering I [3 cr.] *Prerequisite: NA*
- PETR 421 / CHEN 690 Reservoir Engineering [3 cr.] *Prerequisite: NA*
- PETR 432 / CHEN 592 Production Engineering [3 cr.] *Prerequisite: NA*
- PETR 312 / CHEN 593 Reservoir Petrophysics [3 cr.] *Prerequisite: NA*

Elective Courses (6 Credits) selected from the following courses:

- PETR 300 Petroleum Exploration [3 cr.] *Pre-req.: PETR 200 / CHEN 490*
- PETR 321 / CHEN 594 Reservoir Fluids [3 cr.] *Pre-req.: CHEN 214 / MECH 310*
- PETR 520 / CHEN 696 Reservoir Modeling [3 cr.] *Pre-req.: PETR 421 / CHEN 690*
- PETR 514 / CHEN 697 Reservoir Econ. & Risk Mngmnt. [3 cr.] *Pre-req.: PETR 421 / CHEN 690*
- CHEN 480 Safety and Loss Prevention [3 cr.] *Pre-req.: CHEN 312*
- CHEN 590 Petroleum Refining [3 cr.] *Pre-req.: PETR 200 / CHEN 490*
- CHEN 591 Natural Gas Processing [3 cr.] *Pre-req.: CHEN 311, CHEN 312, CHEN 314, CHEM204 / CHEM 201*
- MECH 768 Transport through Porous Media [3 cr.] *Pre-req.: MECH 412/CHEN 411*
- GEOL 225 Petroleum Geology [3 cr.] *Pre-req.: GEOL213/GEOL222 or consent of instructor*
- GEOL 226 Introduction to Geophysics [3 cr.] *Pre-req.: GEOL 201*

Note: *Other courses may be approved as minor equivalents at the consent of the Baha and Walid Bassatne Department of Chemical Engineering and Advanced Energy. Students cannot receive more than 6 credits for both major and minor courses as technical electives in chemical engineering major.*