Masters in Petroleum Engineering

The Department of Petroleum Engineering offers a Masters conversion course in Petroleum Engineering MEngSc (Pet Eng) over 2 years or equivalent part-time study. The option to graduate with a Masters of MPetEng is also available to those students who would prefer to complete the Masters in 18 months. Students taking the MEngSc (PetEng) will take the same subjects as MPetEng students with the additional undertaking of a research project to complete the MEngSc degree.

The Department of Petroleum Engineering at Curtin University of Technology prides itself on the links & strong working relationships forged with such companies as Chevron, Shell, Woodside, Schlumberger and others and as a result, our students have the privilege of working closely with local industry.

Our high level of teaching promises to produce the best engineers and our close contact with industry ensures a future full of potential.

Can you master the challenge?

Western Australia is currently experiencing a boom in the Oil & Gas Industry which has highlighted a requirement for highly-qualified petroleum engineering graduates of the Masters program in Petroleum Engineering to capitalise on the opportunities available through our hands-on courses.

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petroleum.curtin.edu.au
Postgraduate Study

All about: Masters in Petroleum Engineering

Entry Requirements
An honours degree or equivalent in a relevant engineering or science discipline. Candidates with degrees in other disciplines may be considered where they have relevant work experience. Australian citizens and permanent residents, and international students studying outside Australia, may have the choice of full-time, part-time and external study. Information about TISC only applies to Australian residents.

Bridging course for entry to MPetEng or MEngSc(PetEng)
Students who do not have an engineering science background and do not have the pre-requisite knowledge for entry to the M PetEng or MEngSc(PetEng) can take a bridging course. Two options are available:
1) Graduate Certificate in Chemical Engineering (Code 302152 v2).
   A single semester course (100 credits) can be taken commencing in August of each year, tailored to their needs by agreement with the Department of Petroleum Engineering.
   Example units:
   - Process Heat
   - Fluid Mechanics
   - Mathematics
   - Gas Reservoir Engineering
   - Borehole Geophysics
   - Chemistry
   - Thermodynamics
2) Post-Graduate Diploma in Chemical Engineering (Code 302153 v2).
   A one-year (200 credits) course can be taken commencing in February of each year to allow graduation and entry into the Masters course during the following February. Students wishing to take either of the Masters courses must take 200 credits of units tailored to their needs by agreement with the Department of Petroleum Engineering.
   The Department of Petroleum Engineering is committed to providing the industry with high quality graduates while helping students with their individual needs depending on their academic ability. To be eligible for a Master’s degree, a minimum course weighted average of 65% is required with no individual unit score below 60% in the above courses.
   Lectures are presented on a semester basis starting February each year. The Department welcomes local part-time students as lectures will be taught at times to minimise impact on day-to-day industry hours.

International Students
International students studying in Australia on a student visa can only study full-time. There are also specific entry requirements that must be met. Please refer to www.international.curtin.edu.au or phone +61 8 9266 7331 for further information.

Courses
MPetEng – 300 credits (1.5 years)
MEngSc (PetEng) – 400 credits (2 years)

- Applied Geology and Geophysics
- Drilling Engineering
- Fundamentals of Reservoir Engineering
- Hydrocarbon Phase Behaviour
- Formation Evaluation
- Production Technology
- Reservoir Management
- Reservoir Characterisation
- Numerical Reservoir Simulation
- Hydrocarbon Processing

Reasearch Areas
- Borehole Geomechanics
- Reservoir Characterisation
- Reservoir Modelling
- Formation Evaluation
- Hydrocarbon Phase Behaviour
- Reservoir Engineering
- Production Technology
- PVT Analysis
- Reservoir Management
- Special Core Analysis
- Reservoir Simulation

More details: [www.petroleum.curtin.edu.au/courses/course_work_units.cfm](http://www.petroleum.curtin.edu.au/courses/course_work_units.cfm)

All candidates may exit the course at 18 months with an MPetEng or choose to continue and complete an industry project finishing their Masters (MEngScPetEng) after 2 years.

For more, contact:
The Department of Petroleum Engineering
Curtin University of Technology
GPO Box U1987
Perth Western Australia 6845

Australian enquiries
T: +61 8 9266 7857
F: +61 8 9266 7063
E: info@peteng.curtin.edu.au
W: petroleum.curtin.edu.au

International enquiries
T: +61 8 9266 7331
F: +61 8 9266 2605
E: international@curtin.edu.au
W: international.curtin.edu.au

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Part time and external study is only available to Australian resident students and International students studying outside Australia. Full details of units and course structure can be obtained by contacting the above or electronically from [http://handbook.curtin.edu.au](http://handbook.curtin.edu.au).