



MTech Program Structure

Students accepted into the program will enroll for a **Master of Technology (Petroleum Technology)** with Curtin University of Technology, and will be able to choose between two streams of study:

- Facilities Engineering
- Reservoir and Production Engineering

Assessment of selected PetroSkills courses will provide approximately half the credit total required to complete the MTech in Petroleum Technology. The remaining credit total will be obtained through workplace-based projects monitored by Curtin University.

The program is designed to enable individuals working full-time in industry to complete the Masters program part-time over 2-4 years. To graduate, students will need to complete 100 credits of Curtin University Workplace-based projects (or approved alternatives) and 100 credits of Curtin-assessed PetroSkills course assessments. It is therefore recommended that in each year of enrolment, students complete one-two workplace-project and two-four PetroSkills courses and course assessments. Workplace-based Projects have a duration of 12 weeks for completion. PetroSkills course assessments have a duration of 4 weeks for completion.

All assessments will be issued and submitted in the online environment using Blackboard, available through the Curtin University website.

FACILITIES ENGINEERING STREAM

Index No.	Course Name	Credits
<i>Workplace-based projects: Required credits 100</i>		
311663	MTP506 Petroleum Technology (Project)	25
311664	MTP507 Petroleum Technology (Project)	25
311665	# MTP508 Petroleum Technology (Project)	25
311666	# MTP509 Petroleum Technology (Project)	25
<i># Students may be permitted to substitute appropriate Curtin Master's units with approval from the Academic Director</i>		
<i>PetroSkills Course Assessments: Required credits 100</i>		
311637	MT570 Production Operations 1 (PO1)	25
311660	MT577 Process Facilities Fundamentals (G-40)	12.5
311659	MT578 Gas Treating and Sulphur Recovery (G-6)	12.5
311658	MT579 Fundamentals of Onshore and Offshore Pipeline Systems (PL-4)	25
311786	MT587 Oil Production and Processing Facilities (PF-4)	25
311653	MT588 Electrical Engineering Practices for Facilities Personnel (E-4) <i>** This course is offered by John M. Campbell on a private basis only</i>	12.5
311652	MT589 Instrumentation Engineering Practices for Facilities Personnel (IC-4)	12.5
311638	MT590 Flow Assurance for Pipeline Systems (PL-61)	12.5
311651	MT591 Heat Transfer Equipment (PF-43) <i>** This course is offered by John M. Campbell on a private basis only</i>	12.5
311650	MT592 Pumps and Compressors (ME-44)	12.5
311649	MT593 Piping Systems Mechanical design and Specifications (ME-41)	12.5
311648	MT594 Turbomachinery Monitoring and Problem Analysis (ME-62)	12.5
311647	MT595 Maintenance Planning and Work Control (OM-41)	12.5
311646	MT596 Introduction to Reliability Engineering (REL-46)	12.5
311641	MT597 Optimising Equipment Availability (REL-61)	12.5
311640	MT598 Principals of Reliability Engineering (REL-62)	12.5
311639	MT599 Gas Conditioning and Processing (G-4)	25

RESERVOIR AND PRODUCTION ENGINEERING STREAM

Index No.	Course Name	Credits
<i>Workplace-based projects: Required credits 100</i>		
311663	MTP506 Petroleum Technology (Project)	25
311664	MTP507 Petroleum Technology (Project)	25
311665	# MTP508 Petroleum Technology (Project)	25
311666	# MTP509 Petroleum Technology (Project)	25
<i># Students may be permitted to substitute appropriate Curtin Master's units with approval from the Academic Director</i>		
311637	MT570 Production Operations 1 (PO1)	25
311620	MT571 Completions and Workovers (CAW)	12.5
311319	MT572 Artificial Lift Systems (ALS)	12.5
311618	MT573 Well Log Interpretation (WLI)	12.5
311363	MT574 Well Test Design And Analysis (WTA)	12.5
311362	MT575 Production Optimisation using Nodal Analysis (PO2)	12.5
311661	MT576 Gas Production Engineering (GPO)	12.5
311660	MT577 Process Facilities Fundamentals (G-40)	12.5
611635	MT580 Applied Reservoir Engineering (RE)	25
311634	MT581 Reservoir Characterisation (RC)	12.5
311633	MT582 Reservoir Management (RM)	12.5
311657	MT583 Reservoir Simulation Strategies (RSS)	12.5
311656	MT584 Coring and Core Analysis (CCA)	12.5
311655	MT585 Waterflooding (WF)	12.5
311654	MT586 Production Geology for Other Disciplines (PGD)	12.5

For more information about this program, please visit the MTech website at:
www.mtechpt.curtin.edu.au

If you wish to query your eligibility for this program, please complete the query form available at: <http://www.mtechpt.curtin.edu.au/petroskills/contact.cfm>

For a list of frequently asked questions, [click here](#)