

**PETROLEUM ENGINEERING (ONLINE) (SEPTEMBER START)  
(MSc/PgDip/PgCert)**

**63UH8OB1/ 63UH8OVX/ 63UH8OVZ**

*Duration:* MSc 27 - 36 months full-time; PgDip 18 months full-time; PgCert 8 months full-time

*Content:* All Candidates must take the following compulsory courses:

**Students starting in September 2023**

Year 1

- EG502U Reservoir Engineering (15 credit points)
- GL5054 Fundamentals of Petroleum Geoscience (15 credit points)
- EG554Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)
- EG552H Reservoir Simulation (15 credit points)

(Optional)

Students may opt in for the individual project at this stage, otherwise, students will only be able to undertake the project after stage 5 and during the summer after meeting all other requirements.

- EG59F2 MSc Individual Project (60 credit points)

Year 2

- EG502J Well Testing: Analysis and Design (15 credit points)
- EG502L Well and Production Engineering (15 credit points)
- EG552G Enhanced Oil Recovery (15 credit points)
- EG556Z Field Development, Petroleum Economics and Simulation (15 credit points)

- EG59F2 MSc Individual Project (60 credit points)

Year 3

- EG59F2 MSc Individual Project (60 credit points) (continued from previous year)

**Students starting in September 2024**

Year 1

- EG502U Reservoir Engineering (15 credit points)
- GL5054 Fundamentals of Petroleum Geoscience (15 credit points)
- EG556L AI, Machine Learning and Data Science for the Petroleum Industry (15 credit points)
- EG557D Well and Production Engineering (15 credit points)

(Optional)

Students may opt in for the individual project at this stage, otherwise, students will only be able to undertake the project after stage 5 and during the summer after meeting all other requirements.

- EG59F2 MSc Individual Project (60 credit points)

Year 2

- EG504Y Petrophysics, Core Analysis and Formation Evaluation (15 credit points)
- EG502J Well Testing: Analysis and Design (15 credit points)
- EG552C Enhanced Oil Recovery (15 credit points)
- EG556Z Field Development and Petroleum Economics and Simulation (15 credit points)

EG59F2 MSc Individual Project (60 credit points)

Year 3

EG59F2 MSc Individual Project (60 credit points) (continued from previous year)

*Assessment:* By a combination of written examination and course work as prescribed for each course. In addition MSc candidates must submit a dissertation on their individual project, and may be required to undergo an oral examination. The degree of MSc shall not be awarded to a candidate who fails to achieve a CGS Grade of D3 or above in the individual project, irrespective of their performance in other courses.