



Master in PETROLEUM ENGINEERING



POLITECNICO DI TORINO

THE ENGINEERING FACULTY

OBJECTIVES

The objective of this Master's degree is to prepare the student to meet the demands of a career in Petroleum Engineering with the knowledge and skills necessary to assess, maintain, and provide solutions for all the technological aspects of Petroleum Engineering.

ELIGIBILITY REQUIREMENTS

Acceptance into this program is intended for candidates who have a degree in a five-year or other specialized program and who majored in Environmental and Territorial Engineering, Chemical Engineering, Mechanical Engineering, Civil Engineering (specializing in Hydraulics), or for graduates with equivalent qualifications from foreign universities whose degree work provides the suitable prerequisites for enrolment. Candidates must have received their degree no more than two years previous to the beginning of their entrance into the Master's program. Their grade average cannot be below 100/110 (or 90/100). All candidates must be 28 years old or younger.

Certified competency in the English language is required for all candidates, whether from Italy or from abroad.

The Committee, upon unquestionable judgment, might grant justified dispensation from the eligibility requirements.

SELECTION – ADMISSION PROCESS

Candidates for the Master's program will be reviewed by a committee composed of professors from the Politecnico di Torino and representatives from some of Eni's companies and divisions. The committee will select participants based on analysis of their résumé, qualifications, and entry exam. No more than 45 engineering graduates will be admitted into the program.

COURSEWORK

The Master's program will last for one year. Seven months will be dedicated to full-time lessons and class work. Three to four months will be spent in on-site apprenticeship with one of the divisions of the ENI Group. All lessons and lab work will take place at the Politecnico di Torino proper.

COURSE CONTENT

The courses facilitate student learning not only through the use of theoretical lessons and practical class work on technical subjects such as geology, geophysics, oil field engineering, and drilling and well completion, but also with the help of economic and security fundamentals.

The Project Management Laboratory is designed to facilitate the study of the development and cultivation of a hydrocarbon reservoir, while giving students an idea of what it is actually like to manage an oil well.

MASTER'S COURSE LIST

The following table lists the course names included in the program and their credit hours:

COURSE	CREDIT HOURS (*)
Geology	4
Geophysics	4
Rock Mechanics	3
Underground Fluid Mechanics	4
Well Completion	4
Well Drilling	10
Reservoir Engineering	8
Hydrocarbon Reservoir Numerical Simulation	6
Production Plants e Hydrocarbon Transformation	2
Environmental Safety and Protection	2
Elements of Applied Economy	2
Project Management Laboratory	1
Apprenticeship	20
TOTAL	70

(*) 1 credit hour = 10 hours of lessons or 15 ore di class work or 20 hours of lab work

CERTIFICATION

Candidates who complete the requisite coursework, Project Management Laboratory experience, and apprenticeship period, pass all exams, and accumulate the necessary credits, will be awarded with a Master's Diploma from the Politecnico of Torino.

COMMITTEE STRUCTURE

The educational content of the program is determined by committee. This important task has been entrusted to the Commission of Science and Technology, whose members include two representatives from some of Eni's companies and divisions, and two representatives from the Politecnico of Torino.

INFO

Politecnico di Torino

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