



PETROLEUM PROJECTS AND OFFSHORE TECHNOLOGY

APPLIED GRADUATE STUDIES | JOINT NUS - IFP SCHOOL DEGREE

Language: **English**

Duration: **16 months**

Degree: **Master of Science**

Location: **Singapore**

Did you know that in the context of energy transition and increasing world energy demand, the energy industry requires high technology together with innovative concepts, especially in the offshore domain? Worldwide, this industry needs talented people who can adapt to this new world. With our Petroleum Projects and Offshore Technology MSc program, you will benefit from strong contributions from industry players, so that you'll be prepared to meet its challenges. Trained on real cases, you will be recruited for your operational skills as well as for your ability to lead projects in an international and multicultural environment.

HIGHLIGHTS

- Training in the offshore domain: field development strategy, engineering and construction projects
- Integrated offshore project development throughout the course
- Strong support of the energy industry: case studies based on field data, field trips and site visits, lecturers from the industry
- Multicultural and multidisciplinary cohort

The Master's program in Petroleum Projects and Offshore Technology is an industry-oriented program, which has been built to educate engineers with:

- an integrated vision of upstream project sequence, from reservoir characterization and well behavior to process and fluid valorization
- a high level of competency in offshore and subsea domains, from design and construction to commissioning
- multidisciplinary and multicultural skills, project management, team work, creativity and open-mindedness.

To achieve this, as part of the course you will work as a team on a major integrated offshore development project, based on industrial data. You will have the opportunity to apply innovative technical solutions to integrate renewable energies and to address project economics. Projects will be assessed by a panel of industrial and academic representatives.

At the end of the Master's course, you will benefit from strong technical knowledge and a flexible profile to be rapidly operational and to answer the needs of the energy industry in a changing international environment.

ABOUT NATIONAL UNIVERSITY OF SINGAPORE

Founded in 1905, the National University of Singapore (NUS) is the oldest institute of higher learning in Singapore. NUS is consistently ranked as one of the world's top universities. Driven by a strong commitment to impact lives and drive Singapore's growth, graduates and staff from National University of Singapore's Faculty of Engineering have played a pivotal role in transforming the country into a knowledge-driven hub, and continue to fulfil the country's needs and shape its future.

More at www.nus.edu.sg

ABOUT IFP SCHOOL

Created in 1924, IFP School provides students and young professionals from across the world with master's or doctoral level education in the fields of energy (oil, gas, petrochemicals, powertrains, new energy technologies). The school prepares its students to be key players in the energy transition of the 21st century and ensures their professional success by providing cross-discipline professional training and offering strong international exposure.

More at www.ifp-school.com

CAREER OPPORTUNITIES

- Yards and engineering, procurement and construction companies
- Oil and gas companies: IOC, NOC, independents
- Service and equipment companies
- Certifiers, institutional organizations



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WAT - wecrettogether.fr Crédits photos : Adobe Stock

PROFILE

Application is open to high potential professionals and young graduates with an engineering background looking for international career opportunities. Typical applicants have an engineering degree (corresponding to at least 4 years of higher education) with high academic results and strong motivation.

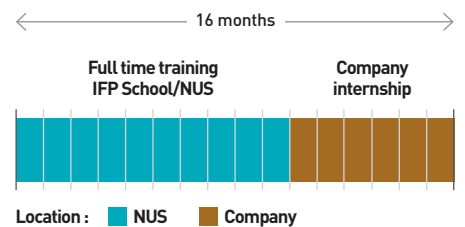
PROGRAM CONTENT

> The program covers

- Reservoir fluid characterization
- Petroleum geoscience and drilling
- From reservoir to wellhead
- Petroleum process
- Petroleum fluid valorization
- Offshore field architecture and subsea system
- Design of offshore structures
- Subsea umbilicals, risers and flowlines design
- From construction to decommissioning
- Special topics on energy
- Offshore materials, welding and corrosion
- Development of offshore upstream projects

In addition, HSE issues – particularly concerning safety – are addressed in all courses.

PROGRAM SCHEDULE



TUITION FEES

SGD\$ 41,194

(inclusive of 7% Goods and Services Tax)

CONTACT

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NUS



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IFP SCHOOL



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