



**A TOP-RATED UNIVERSITY
FOR EMPLOYABILITY**

A black and white photograph of an oil rig structure, viewed from a low angle looking up. Two workers in hard hats and safety gear are visible in the foreground, looking upwards. The rig's complex network of steel beams and cables dominates the background.

MSc DRILLING AND WELL ENGINEERING

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**ROBERT GORDON
UNIVERSITY ABERDEEN**

PROGRAMME OVERVIEW

The course is aimed at practising drilling engineers. It focuses on the concept of effective well construction and aims to develop high levels of professional skill in the key areas of well design, drilling and operations management.

Through this focus and examining the lifecycle of the well, the course develops high levels of professional competence in the key areas of well design, drilling and operations management and will give you skills which will enhance your career options.

Typical students include those working in oil and gas companies, energy companies, national oil companies, engineering firms and engineering service companies.

HOW YOU WILL LEARN

Those studying on the full-time course will be taught via a combination of lectures, guest speakers, seminars, tutorials and online campus discussion forums. All full-time students are expected to participate in our induction week.

The Online Distance Learning (ODL) option requires you to study from a Broadband internet connection.

You will be taught via our virtual learning environment Campus Moodle. You will be taught and supported by experienced industry professionals using current standards and fundamental engineering practices.

The ODL course utilises the same material and content as the on-campus course and is supported by subject specialists to the same learning outcomes.

ODL Students typically take up to 3 modules per year and each module comprises up to 52 hours of lectures and tutorials over 12 weeks of teaching. Significant additional private study is expected during each module.

COURSE CONTENT:

- Business Essentials
- Wells
- Facilities
- Subsurface
- Drilling Technology
- Well Completions and Subsea Systems
- Drilling and Operations Management
- Advanced Well Engineering

Individual Project

In order to complete the full MSc you will submit an individual engineering research project with an industry focus. This is designed to allow you to demonstrate the skills and knowledge gained through the course along with integrating and implementing research methods, whilst being of practical relevance.

For those who continue to work through their studies, you are encouraged to use an issue currently faced within your organisation allowing you to make your course relevant to your workplace.

YOU WILL LEARN TO:

- Develop a critical approach to the implementation of drilling and well engineering and to provide a broad and sound understanding of the scientific, engineering and management aspects related to selected areas of effective drilling and well engineering
- Apply innovative thinking and develop greater professional knowledge which can be applied to drilling and well engineering
- Use initiative, creativity, interpersonal skills and a high level of independent critical judgement at a senior level

BENEFITS TO YOU

This course is fully accredited by the Energy Institute (EI) which ensures the course content is to the highest industry standards providing you with key recognition. This course will also count towards the academic requirements of the EI allowing you to work towards your chartered status.

As part of Robert Gordon University we also have an outstanding employment rate for our postgraduate students at 97%* and have been named Best UK University for Employment**.

All full time students can be assessed and credited for IWCF level 2.

*HESA 2012/13 **HESA 2013 & 2014

CAREER OPPORTUNITIES

Previous graduates have gone on to gain employment in every oil producing area of the world and work for many of the oil majors and drilling contractors. This innovative course is designed to deliver tomorrow's drilling and well engineering experts.

LEARNING AT DWE AT RGU ABERDEEN IS SUCH A GOOD EXPERIENCE FOR ME BECAUSE I'VE LEARNED A LOT OF NEW THINGS REGARDING OIL AND GAS IN THE NORTH SEA. LIVING AND STUDYING IN ABERDEEN, SCOTLAND IS ADVANTAGE FOR STUDENTS BECAUSE ABERDEEN IS THE CAPITAL CITY FOR OIL AND GAS IN UK. I'VE A CHANCE TO VISIT AND SEE MANY PLACES SUCH AS SHIPYARD, SERVICE COMPANIES OFFICES, ETC SO IT INSPIRES ME ABOUT HOW ADVANCED OIL AND GAS TECHNOLOGY IN ABERDEEN. IN REGARD TO THE COURSES, THE SECOND SEMESTER CONSISTS OF SEVERAL INTERESTING TOPICS IN DRILLING AND WELL ENGINEERING AND THE COURSE WORKS LEADS ME TO STUDY MORE DETAILS FROM SEVERAL SOURCES SUCH AS SPE PUBLICATION, BOOKS, ETC. THIS COURSE IS SUITABLE FOR PEOPLE WHO HAS FEW YEARS OF EXPERIENCE IN OIL AND GAS AND WOULD LIKE TO EXPAND KNOWLEDGE IN DRILLING AND WELL ENGINEERING.

**SUWAT PONGTEPUPATHUM,
DRILL SITE MANAGER,
CHEVRON THAILAND EXPLORATION
AND PRODUCTION**

WHO SHOULD APPLY?

This course is suitable for those who hold an Honours degree in Engineering or related discipline at level 2:2 or above. However those with other qualifications but with considerable appropriate relevant industrial experience may be considered.

The course is aimed at practising drilling and well engineers working in oil and gas companies, energy companies, national oil companies, engineering firms and engineering service companies.

All international applicants for whom English is not their first language must provide evidence of linguistic ability, by either gaining IELTS 6.5 or equivalent in TOEFL prior to receiving an unconditional offer of a place on the course.

TALK TO US

For further information about the course, contact:

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KEY DETAILS



STUDY OPTIONS

Full-time,
Online Distance Learning (ODL)



START DATE

Full-time September
ODL January



COURSE DURATION

Full-time 1 year
ODL from 3.5 years



FUNDING (FULL-TIME ONLY)

Available, visit
www.rgu.ac.uk/scholarships



FINAL AWARD

MSc



EXIT AWARD

PgCert/PgDip



COURSE LEADER

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ACCREDITATION



FEES AND FURTHER INFORMATION

Please visit www.rgu.ac.uk/dwengineering



APPLY ONLINE

WWW.RGU.AC.UK/APPLYONLINE