

**Igniting Minds;
Expanding horizons**

BEng. Process Operations and Maintenance

Designed in line with ABET requirements

BEng. Process Operations and Maintenance has one concentration:

- Maintenance Management



الجامعة الوطنية
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About this program

BEng Process Operations and Maintenance program is a four-year degree program offered to those who desire to gain knowledge in a focused area of chemical and mechanical engineering to pursue a career in industry or continue in graduate studies. The multifaceted discipline covers process plant operations, chemical plant safety, process control and maintenance management as required in modern oil and gas industry. Students can study the core Process Operations and Maintenance program or select program concentration in Maintenance Management to satisfy the requirements for the BEng degree in Process Operations and Maintenance.

Maintenance Management

This concentration is developed to aid students to develop the skillset to maintain the plant resources, controlling time and costs to obtain maximum efficiency of the manufacturing process, the utilities and related facilities. This concentration is intended to enable the graduates to take up global positions in mechanical, Chemical and Process Industries. This concentration will also equip the graduates to grab selective positions in the fields of maintenance and management as a production manager or maintenance engineer.

Career Opportunities

The Process Operations and

Maintenance graduates will pursue careers in the field as practicing engineers, entrepreneurs, teachers and researchers. Most often, they find employment opportunities in the oil and gas industries relating to their specialization, as design engineers, process engineers, materials engineers, quality and maintenance engineers and environmental engineer. Graduates of BEng Process Operations and Maintenance program transform their learning experience and skills to develop successful careers and practice engineering processes and allied fields of study in a broad range of industries. They would also strive to pursue advanced education, research and development, and other creative and innovative efforts in science, engineering, and technology.

Extracurricular Opportunities:

Social, recreational and extracurricular services and facilities are fully supported by the college as part of the strategic plan to build graduate competence in terms of rounded individuals who espouse the values of leadership and entrepreneurialism. The students have a plethora of opportunities to engage with established student chapters of professional bodies which aim to expose the students to international professionals to have the benefits of updating with recent technological news and to interact with engineers and professionals across the world.

Established student chapters of MIE Department

Open opportunities to be a member of reputed international professional bodies such as:

- Society of Petroleum Engineers (SPE)
- American Institute of Chemical Engineers
- American Society of Mechanical Engineers (ASME)
- Institution of Mechanical Engineers



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