

Overview

The PhD in Engineering is an exciting cutting-edge research-based program, with a wide range of advanced courses and a major research component that provides in-depth grounding in the particular engineering field of interest. The program is delivered by experienced international faculty who are actively engaged in cutting-edge research. The PhD in Engineering program provides excellent training for those aiming to pursue a career in scientific research, academia and industry.



Content

You will study a set of advanced engineering courses that enable you to deepen your knowledge in specialized areas as well as broaden your engineering perspective. You will also have the opportunity to contribute to the process of discovery and knowledge creation through the conduct of major original research in state-of-the-art facilities under the guidance of well-qualified and experienced faculty.

The PhD in Engineering program aims to produce graduates with the disciplinary preparation and ability to:

- 1) Synthesize scientific and technical engineering knowledge to identify, formulate and solve research challenges, and effectively disseminate the results to a variety of audiences.
- 2) Work across multiple disciplines and develop their individual academic, professional and career focus.
- 3) Keep abreast of the latest advances in science and engineering that contribute to the advancement of knowledge for the benefit of society.

Structure & Duration

The PhD in Engineering program consists of a major research component that culminates in a PhD Dissertation and 24 credits of taught courses that cover advanced topics in the various engineering disciplines of the program. Teaching is delivered through a combination of lectures and

projects. During the research component of the program, you will have the opportunity to work with experts in your field of interest using state-of-the-art facilities and techniques. The PhD program is typically completed within 4 years for full-time students.

Research & Specializations

The research undertaken in the College of Engineering is wide-ranging and multidisciplinary/interdisciplinary. Researchers at Khalifa University are conducting research and advancing knowledge across a wide range of disciplines. The cutting-edge research projects in the College of Engineering address some of the key challenges

- Aerospace Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Infrastructure and Environmental Engineering
- Electrical and Computer Engineering

facing society and industry and offer numerous practical applications.

The PhD in Engineering program supports multidisciplinary/interdisciplinary research as well as specialization in one of the following engineering disciplines:

- Engineering Systems and Management
- Material Science and Engineering
- Mechanical Engineering
- Nuclear Engineering
- Petroleum Engineering
- Robotics

Admission Requirements

Applicants must meet the following minimum criteria:

- Completion of a Master's degree in a relevant discipline with a minimum CGPA of 3.25 out of 4.0, or equivalent from a reputable accredited institution.
- A minimum level of English proficiency in the form of either: iBT TOEFL score of 91 or overall academic IELTS score of 6.5.
- A minimum quantitative score of 155 in the general Graduate Record Examination (GRE).
- A minimum of two referee recommendations (provided via online form).
- Statement of purpose (500-1,000 words).
- Research statement (500-1,000 words).
- Admission interview.

Scholarships

Khalifa University offers Graduate Research / Teaching Assistant (GRTA) scholarships to support qualified international students enrolled in graduate programs. The scholarship provides generous remuneration and benefits that include:

- Full coverage of tuition fees.
- Monthly stipend of AED 10,000 (equivalent to USD \$2,700)

- Free textbooks
- Visa processing costs
- Medical insurance coverage for students under the Khalifa University visa.
- Support to attend international research conferences.

Application & Further Information



ONLINE APPLICATION

<http://www.ku.ac.ae/pages/graduate-admissions>



FURTHER INFORMATION

<http://www.ku.ac.ae/pages/graduate-programs->



ENQUIRIES

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