



Professional Occupations

- Architectural Engineer
- Site Architect Engineer
- Project Manager
- Quantity Surveyors
- Site Manager
- Architectural Inspector

Alfaisal University Bachelor of Architectural Engineering

Program Overview

Architectural Engineering combines architecture and engineering to focus on the links between design systems and construction strategies. If you are interested in building things, thinking about how things work, drawing, model making, working with your hands, working with others, Architectural Engineering is the job for you. You will not only study architectural design, but will also gain a technical background in structural, mechanical, electrical, building services engineering, and plumbing design. Architectural Engineering education at Alfaisal University will prepare you for employment in a number of different construction and architectural fields.

Competitive Edge

Consistent with the missions of the University and College of Engineering, the Architectural Engineering program at Alfaisal University delivers an educational program of study that prepares its graduates to become intellectual leaders in industry, government, and academia with international recognition. Architecture Engineering students are trained to find innovative and creative solutions for complex engineering challenges through AEC education, research and community involvement. Our faculty possess strong educational backgrounds, with the majority graduating from well-renowned North American universities. They are successfully competing for new research projects in new and established areas. Small-sized classes allow professors to dedicate enough attention to students on individual basis.

**We create, innovate
and design for the future.**



Curriculum

Year	Term	Course-Title	CRHs
1st Year	Fall	Freshman English I Programming for Engineers Programming for Engineers Labs Introduction to Chemistry Introduction to Chemistry Lab Calculus I Mechanics and Waves for Engineers Mechanics and Waves for Engineers Lab Total	3 3 1 3 1 3 3 1 18
	Spring	Freshman English II Calculus II Electromagnetism and Optics for Engineers Electromagnetism and Optics for Engineers Lab Materials Science and Engineering Material Science and Engineering Lab Architectural History and Theories Drafting and Drawing Drafting and Drawing Studio Total	3 3 3 1 3 1 3 1 2 20
2nd Year	Fall	Calculus III Linear Algebra Differential Equations Foundations of Electrical Engineering Foundation of Electrical Engineering Lab Architectural Design I Studio Applied Mechanics: Statics and Dynamics I Total	3 3 3 3 1 3 3 19
	Spring	Construction Drawing (CAD) Construction Drawing (CAD) Studio Thermal Fluids Engineering I Thermal Fluids Engineering I LAB Architecture and Buildings Building Materials and Construction Technology Architectural Design II Studio Arabic Language I Total	2 2 3 1 3 3 3 2 19
3rd Year	Fall	Interior Design Interior Design Studio The Built Environment Elective I* Islamic Studies I Heating, Ventilation, and Air-Conditioning Environment, Economics and Policy Quantity Surveying Total	2 1 3 3 3/TBO 3 3 3 20
	Spring	Building Services Engineering Building Services Engineering Lab Electrical Installations Lighting Systems and Applications Structural Mechanics Structural Mechanics Lab Building Acoustics Engineering Ethics Total	3 1 3 3 3 1 3 3 20
	Sum mer	Architectural Engineering Summer Internship Total	0 0
4th Year	Fall	Project Management and Economics Introduction to Geotechnical Engineering Introduction to Geotechnical Engineering Lab Structural Analysis Contracts and Liabilities for Buildings and Construction Elective II* Technical Writing Total	3 3 1 3 3 3/TBD 3 19
	Spring	Arabic Language II Management Principles in Building Engineering Islamic Studies II Elective III* Architectural Engineering Capstone Project Numerical Methods Total	2 3 2 3/TBD 4 3 17

College Collaboration



مدينة الملك عبدالعزيز
للعلوم والتقنية KACST



Admissions Requirements

For admission criteria and how to apply, visit
<http://admissions.alfaisal.edu>

For more information about Alfaisal's Architectural
Engineering, visit:
http://coe.alfaisal.edu/departments/ae_home

Alumni Network

Our Alumni network spans some of the most
influential national and international companies

- Zaha Hadid Architects
- Buro Happold
- Dar Alhandasah
- Henning Larsen Architects
- Saudi Bin Laden
- Saudi Oger
- ADL

Alfaisal University

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