جامعــة الملــك فهــد للبتـرول والمعــادن
King Fahad University of Petroleum and Minerals

MASTER OF
SCIENCE IN ARCHITECTURE
(M.SC. PROGRAM)

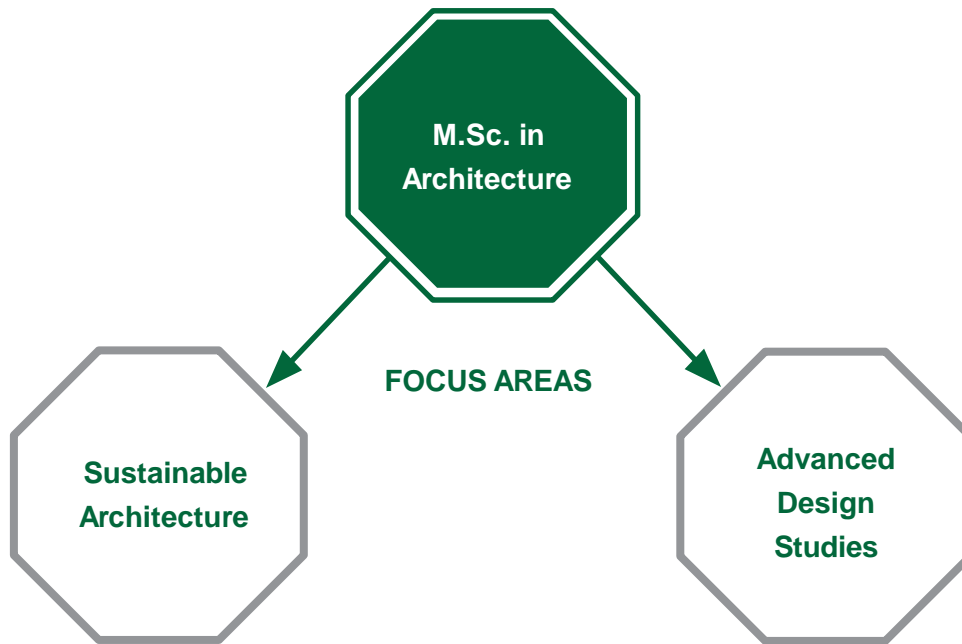"A New Program at KFUPM"

Online Application Deadline:
April 07, 2019

VISION
2**30
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

PROGRAM STRUCTURE

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                        ┌─────────────┐
                        │  M.Sc. in   │
                        │ Architecture│
                        └─────────────┘
              ↙                              ↘
                      FOCUS AREAS
   ┌─────────────┐                      ┌─────────────┐
   │ Sustainable │                      │  Advanced   │
   │ Architecture│                      │   Design    │
   │             │                      │   Studies   │
   └─────────────┘                      └─────────────┘
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The Master of Science in Architecture (M.Sc. Arch.) Program offers specialization in two areas of concentration:

► Sustainable Architecture

► Advanced Design Studies

The M.Sc. in Architecture program is concluded with a thesis.

The course requirement of the program is (30) credit hours. The course work is illustrated in the table below:

Program Component	M.Sc. Arch.	
	Number of Courses	Credit Hours
Core Courses	3	9
Elective Courses	5	15
Graduate Seminar	1	0
Master Thesis	1	6
Final Project	--	--
Total	**10**	**30**

DEGREE REQUIREMENTS OF THE PROGRAM

Program Core Courses

Students enrolled in the M.Sc. Arch. Degree program must take the following four (4) core courses:

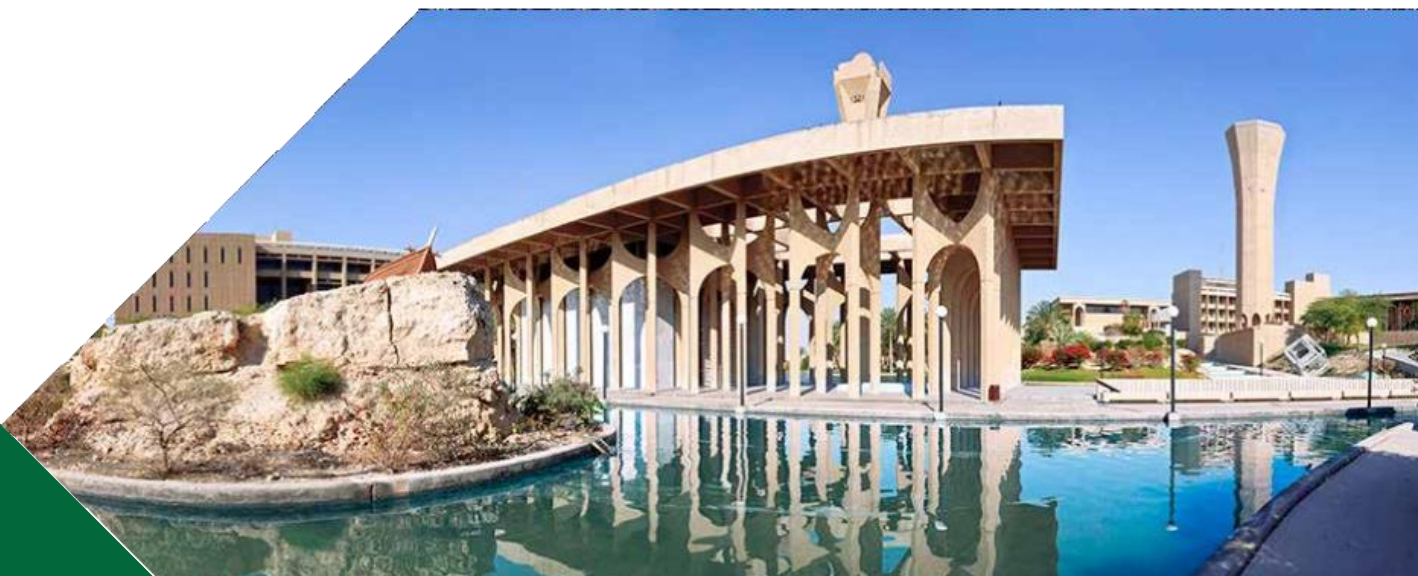|	
ARC 500	Research Methods in Architecture
ARC 501	Fundamentals of Sustainable Architecture
ARC 502	Integrative Processes in Design and Building Delivery
ARC 599	Graduate Seminar

Program Other Required Courses

In addition to the above core courses, students enrolled in the program are required to take three elective within their track, at least one technical elective from outside the ARC program, one ARC elective outside their track, and finally (6) credit hours Master thesis.

Program Electives Course

Elective Courses for the Thesis Option

Students are required to take (5) elective courses (i.e. 15 credit hours) distributed as follows:

► Three or four (3 or 4) elective courses (i.e. 9 or 12 credit hours) from Architecture Elective courses from the chosen concentration area.

► One or two (1 or 2) elective courses (i.e. 3 or 6 credit hours) from the Approved Technical Elective courses.

Architecture Elective Courses

All students are required to take at least three (3) courses (i.e. 9 credit hours) from one of the following two concentration areas (Area-1 or Area-2),

Area 1: Sustainable Architecture

ARC 510	Energy-Efficient Buildings
ARC 511	Materials for High Performing Green Buildings
ARC 512	Quality of Indoor Architectural Spaces
ARC 513	Architecture and Social Sustainability
ARC 514	Sustainable Neighborhood and Urbanism
ARC 515	Sustainable Building Assessment Systems
ARC 516	Regional Traditions and Sustainable Architecture
ARC 517	Sustainable Landscape and Site Planning
ARC 590	Special Topics in Sustainable Architecture

Area 2: Advanced Design Studies

ARC 530	Design Theories and Methodologies
ARC 531	Advanced topics in Digital and Parametric Design
ARC 532	Behaviorally Informed Design
ARC 533	Ecology, Technology, and Design
ARC 534	Architectural Theory and Criticism
ARC 535	Theory and Methods of Urban Design
ARC 536	Design Quality and Management
ARC 537	Architecture and Contemporary Structural Systems
ARC 591	Special Topics in Architectural Design

DEGREE PLAN

A typical degree plan for the **Thesis Option** M.Sc. Arch. Program is shown in the table below:

Course No.	Title	LT	LB	CR
First Semester				
ARC 500	Research Methods in Architecture	3	0	3
ARC 501	Fundamentals of Sustainable Architecture	3	0	3
ARC 5XX	ARC Elective	3	0	3
				9
Second Semester				
ARC 502	Integrative Processes in Design & Building Delivery	3	0	3
ARC 5XX	ARC Elective	3	0	3
ARC 5XX	ARC Elective	3	0	3
ARC 599	Graduate Seminar	1	0	0
				9
Third Semester				
ARC 5XX or XX XXX	ARC Elective or Technical Elective	3	0	3
XX 5XX	Technical Elective	3	0	3
ARC 610	Master Thesis	0	0	IP
				6
Fourth Semester				
ARC 610	Master Thesis (Continued)	0	0	6
				6
Total Credit Hours				**30**

ADMISSION REQUIREMENTS

Admission to the program requires fulfilling all KFUPM and Deanship of Graduate Studies requirements. In addition, the applicant should have the first professional degree in architecture (B. Arch) or a B.S. in architecture or allied fields of design from a program equivalent in length, content and quality to B.Arch. Program at KFUPM, with a Grade-Point Average (GPA) of 2.50 or higher on a scale of 4.00 or equivalent, and a GPA of 3.00 or higher in architecture major.

UNIQUE OPPORTUNITIES THE PROGRAM OFFERS

▶ Unique M.Sc. Architecture program in Saudi Arabia and the Arabian Gulf Region that encompasses two major areas: Sustainable Architecture and Advanced Design Studies.

▶ High quality architecture program, in line with the high standards of KFUPM, a leading university in the Middle East and North Africa.

▶ The program addresses the current and future needs of the Kingdom of Saudi Arabia and the Arabian Gulf Peninsula in the important field of architecture and the build environment.

▶ The Program encompasses a wide range of sustainable architecture and advanced architectural design courses such as Sustainable Architecture, Integrative Processes in Design and Building Delivery, Energy-Efficient Buildings, Materials for High Performing Green Buildings and Assessment Systems, Advanced topics in Digital and Parametric Design, Behaviorally Informed Design, Ecology, Technology and Design.

▶ The degree plan of the M.Sc. Arch. Program offers unique opportunities to select the courses according to the area of specialization with considerable flexibility.

▶ The program offers the opportunities to engage in both a research based as well as practice oriented scholarly activities. The program permits the students to engage in research while participating in practice-oriented courses and multi-disciplinary teamwork collaboration that mirrors professional practice.

Dhahran, Saudi Arabia
www.kfupm.edu.sa

Master of Science in Architecture (M.Sc. Program)

Program inquires: c-arc@kfupm.edu.sa

(Department of Architecture)

Admission inquiries: gs-admissions@kfupm.edu.sa

(Deanship of Graduate Studies)