



جامعة أم القرى
UMM AL-QURA UNIVERSITY

College of Engineering and Architecture
Department of Architecture

ARCHITECTURE AND PLANNING programme

2023-2024



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Preface

Throughout history, architecture and planning have reflected cultural and civilizational development. Today, architects, urban designers, and planners address urban issues by taking responsibility for the built environment and responding to the increased demand for natural resources. To achieve the needs of the labor market and the goals of the Kingdom's Vision 2030, including improving the urban environment in Saudi Arabian cities, accommodating more pilgrims and Umrah pilgrims, and establishing the Kingdom as the best destination for living, the Architecture and Planning Programme was established. The program spans five years, with three years dedicated to general architecture and two years specialized in architecture, urban design, and urban planning. The programme focuses on producing successful graduates in architecture, urban design, and planning through a studio-based approach. This is achieved by examining both the past and future to create original work that caters to the needs of society through developing diverse local built environments while maintaining a distinct urban identity framework. The programme's main objective is to cultivate successful graduates in architecture, urban design, and planning by leveraging a studio-based approach. This is accomplished by studying both the past and future to produce innovative works that cater to the needs of society and develop diverse local built environments while maintaining a distinct architectural and urban identity.

VISION

Excellence in education and scientific research to creatively shape the future of architecture and urbanism.

MISSION

Preparing distinguished graduates for the labour market and promoting research and innovations in architecture and urbanism to contribute to the advancement of the knowledge economy and community service, guided by our cultural identity.

GOALS & OBJECTIVES



Goal 1: Academic Excellence

Objective 1: Strengthening partnerships with local, regional, and international educational institutions and accreditation bodies.

Objective 2: Continuously developing the study plans.

Objective 3: Evaluating and developing the quality of the educational process.



Goal 2: Resources and governance

Objective 1: Developing the department's spaces.

Objective 2: Developing the department staff.



Goal 3: Research and Innovation

Objective 1: Encouraging the formation of research groups.

Objective 2: Activating scientific seminars.



Goal 4: Community Engagement and Social Responsibility

Objective 1: Engaging with the local community and contributing to its development through architectural and urban projects.

Objective 2: Promoting voluntary contribution.

Programme Learning Outcomes

Knowledge: At the end of the program, student should be able to

K1	Demonstrate a comprehensive understanding of the built environment.
K2	Demonstrate an in-depth understanding of systems, technologies, safety, and assemblies of the built environment.
K3	Demonstrate an in-depth understanding of professional ethics, regulatory, and responsibilities of architects.
K4	Explain concepts of mathematics and scientific theories relevant to architecture.

Skills: At the end of the program, student should be able to

S1	Make decisions for complex design problems in creative and scientific manners.
S2	Analyze the Islamic values and its impact on the formation of the human and built environment at multiple scales.
S3	Apply scientific research for complex issues of the built environment.
S4	Execute drawings, craftworks, and physical models efficiently.
S5	Communicate in different forms to demonstrate understanding and transfer knowledge.

Values, Autonomy and Responsibility:

At the end of the program, student should be able to

V1	Ethics Demonstrate self-discipline, punctuality, and commitment to all required tasks.
V2	Responsibility Demonstrate personal, professional, and social responsibility.

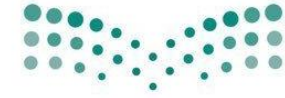
Consistency of

Architecture and Planning

Programme

The programme shows consistency with:

Saudi Standard Classification of Educational Levels and Specializations



وزارة التعليم
Ministry of Education

Broad field: **Engineering, Manufacturing And Construction (07)**

Narrow field: **Architecture And Construction (073)**

Detailed
Field

Architecture And Town Planning (0731)

Specialization
Name

Architecture (073104)

Definition

This specialization aims to provide the student with the knowledge and skills to design buildings and facilities of all kinds. This specialization addresses preparing designs, drawings, architectural plans, technical specifications for building materials and bill of quantities for architectural business items bearing in mind climatic, environmental, customs and traditional factors of local community, functional and aesthetic aspects of buildings and installations.

Other Specializations Included In The Definition

- Architecture And Planning
- Architecture And Construction Sciences
- Urban Design
- Architecture Design
- Sites Engineering And Coordination
- Islamic Architecture
- Environmental Design
- Environmental Architectural Engineering
- Environmental Architecture
- History And Theories Of Architecture
- Interior Architecture Engineering
- Preserving The Architectural Heritage
- Housing
- Urban Design
- Sustainable Architecture
- Architectural Management
- Design Of Health Institutions

Important Courses Under This Specialization

- Theories of architecture
- Architectural design
- Building regulations
- History of architecture
- Architecture design and drawing software

Societal and labor market needs

Several factors emphasize the importance of graduating a larger number of specialized architects from Saudi universities:

- Statistics from the Saudi Council of Engineers in 2020 indicate that there were 163,142 registered engineers, including 55,776 Saudi engineers, accounting for 34%.
- The Council is working to gradually increase localization rates in the engineering sector in collaboration with relevant authorities.
- Furthermore, the Council has taken steps to stop the recruitment of expatriate engineers with less than five years of professional experience since 2018. They have also made it mandatory for incoming expatriate engineers to undergo a professional test and a personal interview conducted by the Council to ensure their familiarity with the profession and specialization.



34%



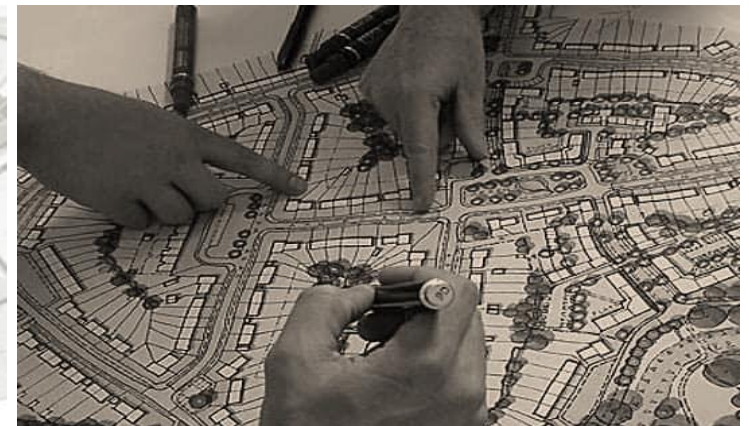
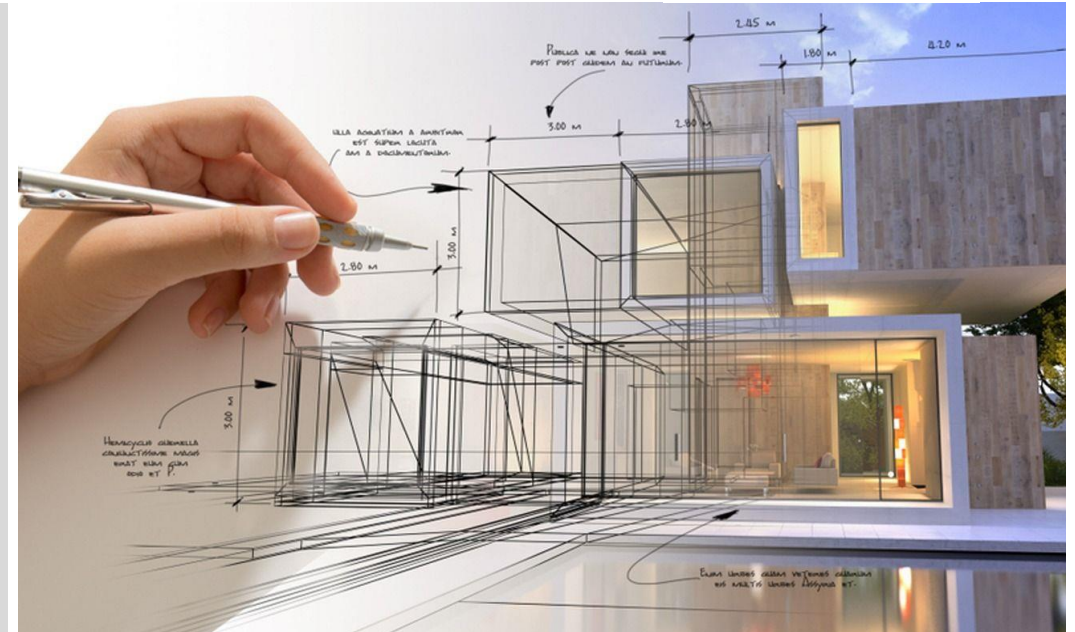
■ Non-Saudi Engineers
■ Saudi Engineers



Considering the UQU Strategy 2027

- The development of career paths aligns with the strategic goals of the university, college, and department, in accordance with the requirements of the job market. Preliminary work on creating career paths was initiated as part of Plan 37.
- A survey conducted among office owners, consultants, and real estate developers in Mecca highlighted the increasing demand for specialists in architecture, planning, and urban design.

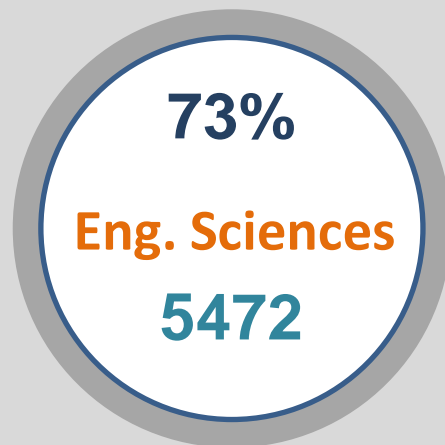
**“
Developing the university’s
educational programmes to meet
international quality standards, suit
the needs of the labor market and
development requirements in the
Kingdom.”**





Human Resources Development Fund

- According to data from the **National Labor Observatory**, the employment rate for graduates of the engineering discipline from the class of 2019 was 73% as of October 2020. This represents the second-highest employment rate after the pharmacy discipline, confirming the job market's demand for this specialization.





The king Salman Architectural Charter

The king Salman Architectural Charter is a complete creative experience, born from deep thought, and a summary of a comprehensive vision of architecture. This creative endeavor is the result of a clear interaction between realistic experiences and ambitious aspirations for improvement. It has taken shape and content to establish itself as a distinguished presence among the various architectural styles.

This charter serves as a strategic foundation for urban development and the future. It provides a design methodology that highlights the Kingdom's history and culture on one hand and serves as a guiding reference for decision-makers, professionals, and those interested in architecture and urban planning on the other.

The charter aims to introduce the vision of King Salman bin Abdulaziz, in the field of urban planning. This vision is based on authenticity as the essence of creativity, flexibility capable of adapting to the new, and innovation that can break through the barriers of time, space, and materials. It envisions the potential for significant aesthetic additions beyond these boundaries.

Vision of the Charter

To establish a national methodology for achieving urban excellence and improving the quality of life for all members of society by creating urban environments that draw from cultural and environmental heritage while adapting to future developments.

Saudi Vision 2030

■ Human Capacity Development Program:

Among the objectives of the Human Capacity Development Program:

- The Human Capacity Development Program aims to equip citizens with the abilities to compete globally by enhancing their core skills, future-oriented skills, and knowledge development.
- The program focuses on building a robust educational foundation to prepare young individuals for both local and global job markets by improving the ranking of educational institutions and enhancing the quality of basic learning outcomes. It also ensures alignment between these outcomes and the requirements of the labor market.

Hence, the need for the development of the current program within the department arises.



Aligning with the goals of Vision 2030 of the Kingdom by:

1. Enhancing the ranking of educational institutions.
2. Improving the outcomes of basic education.
3. Ensuring alignment between educational outcomes and the needs of the job market.
4. Enhancing the readiness of youth to enter the job market.

Saudi Vision 2030

■ Housing Program:

Among the objectives of the third level of the Housing Program:

Enhancing the urban landscape in Saudi cities

The scope of the program includes:

- a. **Redeveloping city centers to reduce the need for additional land.**
- b. **Establishing new residential projects.**

The program works to improve various aspects of the housing sector through several initiatives, including:

- a. **Increasing the number of developers in the sector.**
- b. **Contributing to job creation in this sector.**



Saudi Vision 2030

■ Guests of the Merciful Program:

Among the objectives of the Guests of the Merciful Program:

Hosting more pilgrims and Umrah performers

This entails:

- Preparing the Holy Mosques and their urban surroundings.
- Providing optimal capacity for the Holy Mosques.
- Providing optimal capacity for the hospitality sector.
- Ensuring capacity for infrastructure and transportation networks.
- Preparing heritage and cultural sites.
- Offering the best services before, during, and after visiting Mecca, Medina, and the holy places.
- Enhancing the overall urban landscape.

برنامج خدمة
ضيوف الرحمن



Saudi Vision 2030

■ Quality-of-Life Program:

Among the objectives of the Quality-of-Life Program:

Making the Kingdom a better place to live

This is achieved through several goals, including:

- Providing services and enhancing the available infrastructure for sports, cultural, and other activities.
- Preserving Islamic, Arab, and national heritage.
- Establishing special zones and developing cities.
- Making the Kingdom a global entertainment hub through the development of leading entertain. areas.
- Reducing traffic congestion, promoting public transportation use, and decreasing traffic accident fatalities.
- Reducing various forms of pollution.
- Achieving a percentage of green spaces that meets the minimum recommended by the World Health Organization.
- Improving people's walking habits.





Some examples of promising projects that require more expertise in architecture, urban design and planning

NEOM

NEOM

A cross-border city project with the aim of transforming the Kingdom into a global model for improving aspects of life.

This includes the creation of new cities and a complete infrastructure for the region, including a port, airport network, industrial zones, centers for supporting the arts, and innovation hubs to boost the business sector. Additionally, it involves the development of targeted economic sectors.





NEOM

THE LINE

Why do we sacrifice nature for development?

THE LINE aims to create a comprehensive, sustainable smart city stretching over 100 miles, expected to become a million-person city by 2050.

- A city without cars, roads, congestion, or noise.
- A city completely free of carbon emissions.
- A city reliant on renewable energy sources.
- A city driven by artificial intelligence.
- A city with innovative urban design for outdoor spaces.
- A sustainable city that respects the environment.



The Line is located in NEOM, linking the coast of the Red Sea with the mountains and upper valleys of the north-west of Saudi Arabia.



NEOM

OXAGON

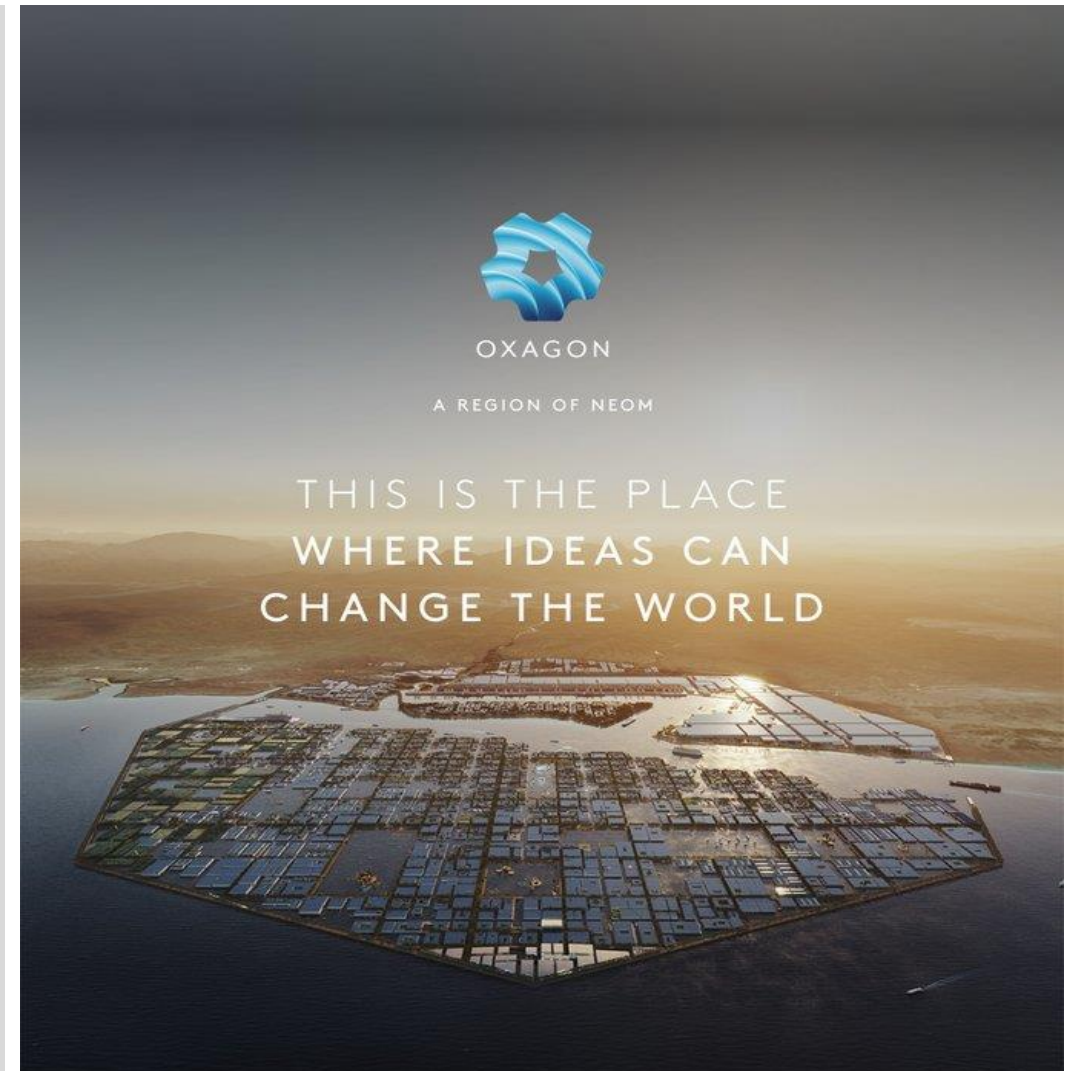
A radical transformation in urban design for manufacturing centers

It aims to present a new model for future manufacturing centers in line with NEOM's strategy, which redefines how humanity lives and works in the future.

The unique octagonal design of the center minimizes any environmental impact, as it maximizes land use to support environmental preservation.

Additionally, the center constitutes the world's largest floating structure and serves as a foundation for transitioning to the "blue economy," relying on seas for achieving sustainable development, reflecting creativity and innovation in urban design.

<https://www.neom.com/en-us/regions/oxagon>



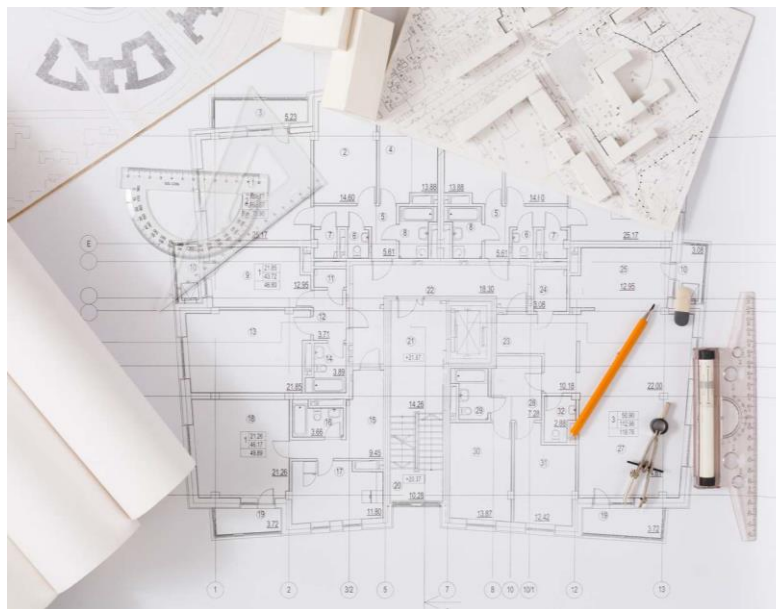
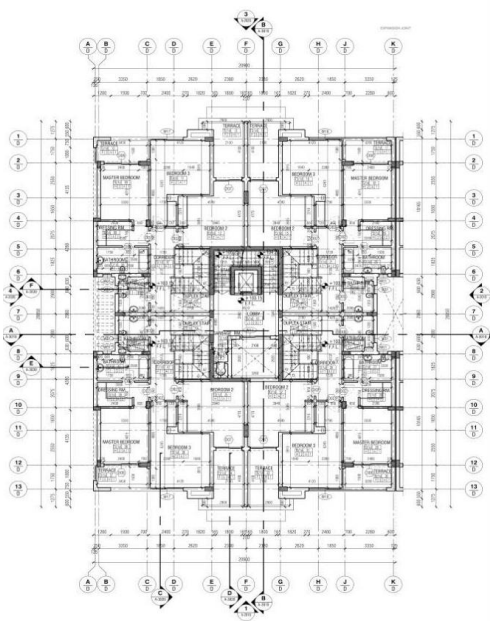
**General and
Architecture Track**

An overview of the Architecture track

This track was established in line with the Kingdom's Vision 2030, and the university's strategic objectives, which respond to the growing national demand for professionally trained personnel in architecture.

The track includes advanced architectural design studios, execution design studios, advanced theoretical architecture courses, etc.

Specialization in this track takes place during the last two years of the program.



Year	Semester	Course	Credits	Course	Credits	Course	Credits	Course	Credits	Course	Credits	Total			
1 First Year	First Trimester	5 Architectural Formation Principles Studio 1 ARC 1001	5	3 Architectural Drawings and Presentation ARC 1302	3	2 Ancient civilizations and Medieval Architecture ARC 1309	2	2 Mathematics for Architects MTH 1601	2	4 English Language 1 ELCN1301	4	2 Islamic Culture 1 ICC 1201	18		
	Second Trimester	5 Architectural Formation Principles Studio 2 ARC 1002	5	3 Architectural Models ARC 1306	3	2 Design Process and Methods ARC 1308	2	2 Shade, Shadow and Perspective ARC 1303	2	4 English Language 2 ELCN1302	4	2 Digital Technology DS1101	18		
	Third Trimester	5 Fundamental Design Principles Studio ARC 1003	5	3 Buildings Design Standards 1 ARC 1314	3	2 Elective Course 1 ARC 140#	2	2 Physics for Architects PHY 1115	2	4 English Language 3 ELCN1303	4	2 The Holy Quran 1 QR 1101	18		
2 Second Year	First Trimester	5 Architectural Design Studio 1: Small Scale Public Buildings ARC 1004	5	3 Building Construction Studio 1: Site Preparation ARC 1101	3	2 Vector-based Drawing ARC 1203	2	2 Introduction to Landscape Architecture ARC 1315	2	2 Architecture of Islamic Civilization ARC 1310	2	2 Surveying CE 1632	2	2 Islamic Culture 2 ICC 2202	18
	Second Trimester	5 Architectural Design Studio 2: Medium Scale Public Buildings ARC 1005	5	3 Building Construction Studio 2: Components of Building Structure ARC 1102	3	2 3D Modeling ARC 1205	2	2 Local Architectural Heritage ARC 1304	2	2 Renaissance and Pre-modern Architecture ARC 1311	2	2 Environmental control Systems ARC 1317	2	2 Structure 1 CE 1450	18
	Third Trimester	5 Architectural Design Studio 3: Vernacular Architecture ARC 1006	5	3 Building Construction Studio 3: Components of Building Structure ARC 1103	3	2 Creative Generative-Design ARC 1201	2	2 Buildings' Technical Installations ARC 1307	2	2 Principles of Urban Design ARC 1313	2	2 Elective Course 2 ARC 141#	2	2 The Holy Quran 2 QR 2102	18
3 Third Year	First Trimester	5 Architectural Design Studio 4: Conventional Structure Systems ARC 1007	5	3 Building Construction Studio 4: Technical Drawings ARC 1104	3	2 Principles of Urban Planning ARC 1312	2	2 Structure Systems in Architecture ARC 1316	2	4 Introduction to Urban Design Studio ARC 1109	4	2 Structure 2 CE 2452	2	18	
	Second Trimester	5 Architectural Design Studio 5: Long Spans ARC 1008	5	3 Building Construction Studio 5: Finishes ARC 1105	3	2 Sustainable Architecture ARC 1305	2	2 Elective Course 3 ARC 142#	2	4 Introduction to Urban Planning Studio ARC 1110	4	2 Structure 3 CE 2454	2	18	
	Third Trimester	8	Cooperative Training ARC 1500					8	Architecture Track					8	
4 Fourth Year	First Trimester	5 Architectural Design Studio 6: Sustainable Buildings ARC 2009	5	3 Execution Design Studio of Residential Buildings ARC 2107	3	2 Environmental Simulation ARC 2204	2	2 Twentieth century Architecture ARC 2327	2	2 Buildings Design Standards 2 ARC 2329	2	2 Interior Design ARC 2325	2	2 The Holy Quran 3 QR 3103	18
	Second Trimester	5 Architectural Design Studio 7: Mixed-Use Buildings ARC 2108	5	3 Execution Design Studio of Public Buildings ARC 2108	3	2 Digital Fabrication and Prototyping ARC 2206	2	2 Creativity in Architecture ARC 2318	2	2 Conservation of Architectural Heritage ARC 2320	2	2 Islamic Culture 3 ICC 3203	2	2 Arabic Writing and Editing ARS 1500	18
	Third Trimester	5 Architectural Design Studio 8: Conservation of Heritage Buildings ARC 2109	5	3 Execution Design Studio of Blow-Ups Detailing ARC 2106	3	2 Professional Practice for Architects ARC 2322	2	2 Architecture of Mega Structures ARC 2323	2	2 Applications of the Saudi Building Code in Architecture ARC 2326	2	2 Elective Course 1: Architecture ARC 240#	2	2 Elective 1 (General Course)	18
5 Fifth Year	First Trimester	5 Architectural Design Studio 9: Professional Practice ARC 2012	5	2 Graduation Project Research: Architecture ARC 2324	2	2 Computer-Based Architectural Project Management 1 ARC 2207	2	2 Smart Buildings ARC 2321	2	2 Universal Design ARC 2319	2	2 Biomimetic Architecture ARC 2328	2	2 Islamic Culture 4 ICC 4204	17
	Second Trimester	7 Graduation Project Studio 1: Architecture ARC 3013	7	2 Computer-Based Architectural Project Management 2 ARC 3208	2	2 Human and Environment ARC 3321	2	2 Resilient design ARC 3322	2	2 The Holy Quran 4 QR 4104	2	2 Elective 2 (General Course)	2	17	
	Third Trimester	7 Graduation Project Studio 2: Architecture ARC 3014	7	2 Economics of Architectural Projects ARC 3320	2	2 Architecture of the Future ARC 3323	2	2 Elective Course 2: Architecture ARC 340#	2	2 Elective 3 (General Course)	2		2	15	



Specialized Elective Courses



- 1 • Digital Architectural Photography
- 2 • Vocabulary of Islamic Architecture
- 3 • Introduction to Urban Spaces Analysis
- 1 • Photorealistic Rendering Techniques
- 2 • Human Factors in Architecture
- Arabic Calligraphy and Ornamentation
- Contemporary Mosques Architecture
- Sustainable Landscape Architecture
- Computer Modeling in Building Construction
- Architectural Criticism
- Graphic Design Principles
- Architecture of the Two Holy Mosques
- Urban topics in Hajj and Umrah
- Computerized Applications of Crowd Studies in Architecture
- Selected Topics in Architecture

University Elective Courses



- Specialized technology
- Health and Nutrition
- Entrepreneurship
- Work environment
- Hospitality
- Research and innovation



Credit Hours 255

Career opportunities

As a graduate of the Architecture track, student are prepared for a career as a practicing architect in both the public and private sectors.

Architecture graduates can look forward to the following roles:

- Architect
- Designer
- Site Engineer
- Architectural Designer - AutoCAD
- Architectural Designer - Residential Architect
- CAD Manager
- Interior Architectural Designer
- Project Manager
- BIM Coordinator
- BIM Manager

Urban Design Track

An overview of the Urban Design track

The track was proposed in line with the Kingdom's Vision 2030, and the university's strategic objectives. It responds to the growing national demand for professionally trained personnel in urban design.

The track includes courses in urban design, landscape, urban upgrading and preservation, among others.

Specialization in this track takes place during the final two years of the programme.



1 First Year	First Trimester	5 Architectural Formation Principles Studio 1 ARC 1001	3 Architectural Drawings and Presentation ARC 1302	2 Ancient civilizations and Medieval Architecture ARC 1309	2 Mathematics for Architects MTH 1601	4 English Language 1 ELCN1301	2 Islamic Culture 1 ICC 1201	18	
	Second Trimester	5 Architectural Formation Principles Studio 2 ARC 1002	3 Architectural Models ARC 1306	2 Design Process and Methods ARC 1308	2 Shade, Shadow and Perspective ARC 1303	4 English Language 2 ELCN1302	2 Digital Technology DS1101	18	
	Third Trimester	5 Fundamental Design Principles Studio ARC 1003	3 Buildings Design Standards 1 ARC 1314	2 Elective Course 1 ARC 140#	2 Physics for Architects PHY 1115	4 English Language 3 ELCN1303	2 The Holy Quran 1 QR 1101	18	
2 Second Year	First Trimester	5 Architectural Design Studio 1: Small Scale Public Buildings ARC 1004	3 Building Construction Studio 1: Site Preparation ARC 1101	2 Vector-based Drawing ARC 1203	2 Introduction to Landscape Architecture ARC 1315	2 Architecture of Islamic Civilization ARC 1310	2 Surveying CE 1632	2 Islamic Culture 2 ICC 2202	18
	Second Trimester	5 Architectural Design Studio 2: Medium Scale Public Buildings ARC 1005	3 Building Construction Studio 2: Components of Building Structure ARC 1102	2 3D Modeling ARC 1205	2 Local Architectural Heritage ARC 1304	2 Renaissance and Pre-modern Architecture ARC 1311	2 Environmental control Systems ARC 1317	2 Structure 1 CE 1450	18
	Third Trimester	5 Architectural Design Studio 3: Vernacular Architecture ARC 1006	3 Building Construction Studio 3: Components of Building Structure ARC 1103	2 Creative Generative-Design ARC 1201	2 Buildings' Technical Installations ARC 1307	2 Principles of Urban Design ARC 1313	2 Elective Course 2 ARC 141#	2 The Holy Quran 2 QR 2102	18
3 Third Year	First Trimester	5 Architectural Design Studio 4: Conventional Structure Systems ARC 1007	3 Building Construction Studio 4: Technical Drawings ARC 1104	2 Principles of Urban Planning ARC 1312	2 Structure Systems in Architecture ARC 1316	4 Introduction to Urban Design Studio ARC 1109		2 Structure 2 CE 2452	18
	Second Trimester	5 Architectural Design Studio 5: Long Spans ARC 1008	3 Building Construction Studio 5: Finishes ARC 1105	2 Sustainable Architecture ARC 1305	2 Elective Course 3 ARC 142#	4 Introduction to Urban Planning Studio ARC 1110		2 Structure 3 CE 2454	18
	Third Trimester	8 Cooperative Training ARC 1500							8
4 Fourth Year	First Trimester	5 Urban Design Studio 1: Existing Areas Development ARC 3031	3 Urban Spatial Analysis Studio ARC 3131	2 Urban Information Systems ARC 3231	2 Urban Environmental Control ARC 3331	2 Urban Morphology ARC 3332	2 Housing ARC 3333	2 The Holy Quran 3 QR 3103	18
	Second Trimester	5 Urban Design Studio 2: New Areas Development ARC 3032	3 Urban Design Details Studio ARC 3132	2 Urban Virtual and Augmented Reality ARC 3232	2 Advanced studies in Landscape Architecture ARC 3334	2 Introduction to Sustainable Urban Design ARC 3335	2 Islamic Culture 3 ICC 3203	2 Arabic Writing and Editing ARS 1500	18
	Third Trimester	5 Urban Design Studio 3: Sustainability ARC 3033	3 Landscape Architecture Studio ARC 3133	2 Conservation of Heritage Sites ARC 3336	2 Streets Planning and Design ARC 3337	2 Humanizing the Cities ARC 3338	2 Elective Course 1: Urban Design ARC 343#	2 Elective 1 (General Course)	18
5 Fifth Year	First Trimester	5 Urban Design Studio 4: Urban Heritage Conservation ARC 3034	2 Graduation Project Research: Urban Design ARC 3339	2 Cities Centers ARC 3340	2 Urban Sociology ARC 3341	2 Principles of Urban Mobility ARC 3342	2 Public Transportation Planning and Management CE 3513	2 Islamic Culture 4 ICC 4204	17
	Second Trimester	7 Graduation Project Studio 1: Integrated Urban Design ARC 4035	2 Crowd Management ARC 3344	2 Smart Urban Spaces ARC 3345	2 Urban Wayfinding ARC 3346	2 The Holy Quran 4 QR 4104	2 Elective 2 (General Course)		17
	Third Trimester	7 Graduation Project Studio 2: Integrated Urban Design ARC 4036	2 Professional Practice of Urban Design ARC 4347	2 Future Urbanism ARC 4348	2 Elective Course 2: Urban Design ARC 444#	2 Elective 3 (General Course)			15

مركز عمل التصميم الحضري



Specialized Elective Courses

- 1 • Digital Architectural Photography
- 2 • Vocabulary of Islamic Architecture
- 3 • Introduction to Urban Spaces Analysis
- 1 • Temporary Urbanism
- 2 • Fundamentals of Real Estate Development
- Arabic Calligraphy and Ornamentation
- Contemporary Mosques Architecture
- Sustainable Landscape Architecture
- Project Management for Planners
- Ecotourism Planning
- Graphic Design Principles
- Architecture of the Two Holy Mosques
- Urban topics in Hajj and Umrah
- Terminals Planning and Design
- Selected Topics in Urban Design

University Elective Courses

- Specialized technology
- Health and Nutrition
- Entrepreneurship
- Work environment
- Hospitality
- Research and innovation

Credit Hours 255

In-person Online

Career opportunities

The role of the landscape designer and urban designer has become an indispensable position for any ministry, governmental department or private agency. Institutions such as the Ministry of Planning and Economy and the Ministry of Municipal and Rural Affairs are always looking for qualified professional planners. Planners are also in demand at institutions concerned with the development of service sectors such as education, health and public utilities as well as entities that develop productive sectors such as agriculture, industry, tourism and others.

Graduates can look forward to the following roles:

- Landscape Designer
- Urban Designer
- Urban Design Manager

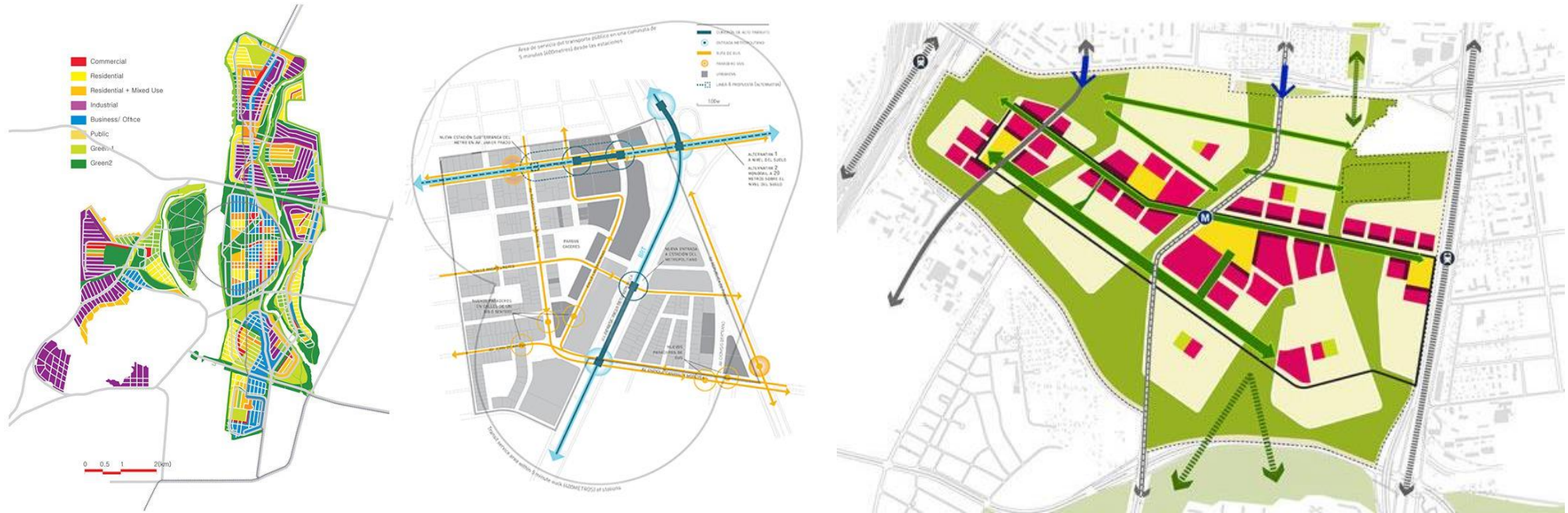
Urban Planning Track

An overview of the Urban Planning track

This track was proposed in line with the Kingdom's Vision 2030, rapid population and economic growth in Saudi cities, and the growing national demand for professionally trained personnel in urban planning.

The track addresses important courses that include topics such as urban development, housing planning, urban growth, transportation, infrastructure, environmental protection, and the provision of community services, among others.

Specialization in this track takes place during the final two years of the programme.



1 First Year	First Trimester	4 Architectural Formation Principles Studio 1 ARC 1001	3 Architectural Drawings and Presentation ARC 1302	2 Ancient civilizations and Medieval Architecture ARC 1309	2 Mathematics for Architects MTH 1601	4 English Language 1 ELCN1301	2 Islamic Culture 1 ICC 1201	17
	Second Trimester	5 Architectural Formation Principles Studio 2 ARC 1002	3 Architectural Models ARC 1306	2 Design Process and Methods ARC 1308	2 Shade, Shadow and Perspective ARC 1303	4 English Language 2 ELCN1302	2 Digital Technology DS1101	18
	Third Trimester	5 Fundamental Design Principles Studio ARC 1003	3 Buildings Design Standards 1 ARC 1314	2 Elective Course 1 ARC 140#	2 Physics for Architects PHY 1115	4 English Language 3 ELCN1303	2 The Holy Quran 1 QR 1101	18

2 Second Year	First Trimester	5 Architectural Design Studio 1: Small Scale Public Buildings ARC 1004	3 Building Construction Studio 1: Site Preparation ARC 1101	2 Vector-based Drawing ARC 1203	2 Introduction to Landscape Architecture ARC 1315	2 Architecture of Islamic Civilization ARC 1310	2 Surveying CE 1632	2 Islamic Culture 2 ICC 2202	18
	Second Trimester	5 Architectural Design Studio 2: Medium Scale Public Buildings ARC 1005	3 Building Construction Studio 2: Components of Building Structure ARC 1102	2 3D Modeling ARC 1205	2 Local Architectural Heritage ARC 1304	2 Renaissance and Pre-modern Architecture ARC 1311	2 Environmental control Systems ARC 1317	2 Structure 1 CE 1450	18
	Third Trimester	5 Architectural Design Studio 3: Vernacular Architecture ARC 1006	3 Building Construction Studio 3: Components of Building Structure ARC 1103	2 Creative Generative-Design ARC 1201	2 Buildings' Technical Installations ARC 1307	2 Principles of Urban Design ARC 1313	2 Elective Course 2 ARC 141#	2 The Holy Quran 2 QR 2102	18

3 Third Year	First Trimester	5 Architectural Design Studio 4: Conventional Structure Systems ARC 1007	3 Building Construction Studio 4: Technical Drawings ARC 1104	2 Principles of Urban Planning ARC 1312	2 Structure Systems in Architecture ARC 1316	4 Introduction to Urban Design Studio ARC 1109		2 Structure 2 CE 2452	18
	Second Trimester	5 Architectural Design Studio 5: Long Spans ARC 1008	3 Building Construction Studio 5: Finishes ARC 1105	2 Sustainable Architecture ARC 1305	2 Elective Course 3 ARC 142#	4 Introduction to Urban Planning Studio ARC 1110		2 Structure 3 CE 2454	18
	Third Trimester	8 Cooperative Training ARC 1500							

4 Fourth Year	First Trimester	5 Urban Planning Studio 1: Neighborhood ARC 3051	3 Urban Spatial Analysis Studio ARC 3151	2 Urban Information Systems ARC 3251	2 Urban Planning Theories ARC 3351	2 Advanced studies in Landscape Architecture ARC 3352	2 Housing ARC 3353	2 The Holy Quran 3 QR 3103	18
	Second Trimester	5 Urban Planning Studio 2: Residential District ARC 3052	3 Landscape Architecture Studio ARC 3152	2 Advanced Urban Information Systems ARC 3252	2 Urban Transportation Planning ARC 3354	2 Urban Service Facilities ARC 3355	2 Islamic Culture 3 ICC 3203	2 Arabic Writing and Editing ARS 1500	18
	Third Trimester	5 Urban Planning Studio 3: New City ARC 3053	3 Detailed Urban Planning Studio ARC 3153	2 Computer Applied Statistics ARC 3253	2 Regional Planning ARC 3356	2 Cities and Climate Change ARC 3357	2 Elective Course 1: Urban Planning ARC 345#	2 Elective 1 (General Course)	18

5 Fifth Year	First Trimester	5 Urban Planning Studio 4: Regional Planning ARC 3054	2 Graduation Project Research: Urban Planning ARC 3358	2 Urban Governance ARC 3359	2 Sustainable Cities ARC 3360	2 Urban Infrastructure ARC 3361	2 Public Transportation Planning and Management CE 3513	2 Islamic Culture 4 ICC 4204	17
	Second Trimester	7 Graduation Project Studio 1: Urban Planning ARC 4055	2 Urban Economics ARC 4363	2 Urban Sociology and Population ARC 4364	2 Smart Cities ARC 4365	2 The Holy Quran 4 QR 4104	2 Elective 2 (General Course)		17
	Third Trimester	7 Graduation Project Studio 2: Urban Planning ARC 4056	2 Multicriteria Assessment of Urban Development Projects ARC 4366	2 Professional Practice of Planning ARC 4367	2 Elective Course 2: Urban Planning ARC 446#	2 Elective 3 (General Course)			15

مقرات التخطيط العمراني



Specialized Elective Courses

- 1 • Digital Architectural Photography
- 2 • Vocabulary of Islamic Architecture
- 3 • Introduction to Urban Spaces Analysis
- 1 • Urban Indicators
- 2 • Selected Topics in Urban Planning
- Arabic Calligraphy and Ornamentation
- Contemporary Mosques Architecture
- Sustainable Landscape Architecture
- Technology and Desert Development
- Advanced Topics in Urban Transportation
- Graphic Design Principles
- Architecture of the Two Holy Mosques
- Urban topics in Hajj and Umrah
- Urban Development in Saudi Arabia
- Planning Decision-Making Systems

University Elective Courses



- Specialized technology
- Health and Nutrition
- Entrepreneurship
- Work environment
- Hospitality
- Research and Innovation



In-person 8888



Online 23

Credit Hours 254

Career opportunities

The role of the urban planner has become an indispensable position for any ministry, governmental department or private agency.

Institutions such as the Ministry of Planning and Economy and the Ministry of Municipal and Rural Affairs are always looking for qualified professional planners. Planners are also in demand at institutions concerned with the development of service sectors such as education, health and public utilities as well as entities that develop productive sectors such as agriculture, industry, tourism and others.

Graduates can look forward to the following roles:

- Urban Planner
- Urban/City Facilities Planning Engineer
- Principal City Planner

Registration and Regulations

Registration

Prospective students applying to the bachelor's degree programs in universities are expected to have the following qualifications:

- Be a Saudi or the child of a Saudi mother. (Non-Saudis can apply through scholarship programs.)
- The student should have obtained a general high school certificate or equivalent from within or outside the Kingdom of Saudi Arabia.
- His high school certificate or equivalent should not be over five years old. The university council may make some exceptions if convincing reasons are provided.
- The student should pass the required admission tests conducted by the National Center for Assessment.
- The student should pass any test/interview required by the department.
- The student should not have been dismissed from any other university for disciplinary or academic reasons. If it becomes clear after his admission that he has been previously dismissed from another university, his acceptance shall be deemed canceled from the day of his admission.
- Students applying for the bachelor's program are not required to have any previous work experience or industrial placements.

Attendance

Attendance is defined by physical attendance at lectures and/or participation in academic activities such as taking assignments and exams or participating in a class work group.

Each department member will determine the total number of absences allowed before absences affect student participation and final course grade. This number of total absences allowed includes absences due to illness. The specific policy of the department member will be announced at the beginning of each course and included in the course curriculum. A student who, without a valid reason, remains absent from campus or the classroom for an excessive period during a semester can be withdrawn from the University. To be eligible to appear on the final exam, a student must have a minimum attendance of 75% in semester classes.

Withdrawal from a Course

Students can change their course enrolment without penalty until the published deadline for changing the course (add/drop) online or by completing the course change request form and obtaining the signature of their academic advisor and professors in the respective courses. Students may voluntarily withdraw from the course until the published withdrawal deadline if this does not affect their full-time status. A student withdrawing from the course will receive a (W) on his transcript, which will not affect the average grades. Accordingly;

1. A student who adheres to the plan is not entitled to withdraw from any course.
2. The course from which the student wants to withdraw should not be equal in level or less than the student's level.
3. If a compelling excuse requires withdrawal, the student must submit the course withdrawal to the Department, and the Department Chair will explain the circumstances he is going through. If the department approves the excuse submitted by the student, the Department chair directs it to the college coordinator, explaining the reasons for withdrawal.
4. We would also like to note the need to commit to attending all lectures to ensure that the withdrawal process from a course is completed. Not attending lectures is not an excuse to withdraw from a course.
5. In the event of the withdrawal process, the student will be assigned a grade of (W) in the student's academic record. This grade is not counted in the GPA.

Regulations of Exams

- The student must come to the examination room at least five minutes before the start of the exam.
- Students are not allowed to take the exam without a university card.
- The student cannot take his examination in a room or seat other than the one assigned.
- The student must write their name and university number as stated on the university card on the answer sheet and the question sheet.
- The student may not write anything on the question paper at risk of being out of the examination room.
- Students may not exchange their examination papers after distributing them.
- It is forbidden to write without a blue pen. It is prohibited to use the correction pen, and it is not permitted to write with two different pens unless the ink runs out and with the knowledge of the chairman of the examination hall. It is allowed for pencil only for graphs, illustrations, and engineering drawings.
- It is forbidden for the student to bring books, documents, or manuscripts into the examination hall, even if they are unrelated to the exam subject.
- The student is not allowed to use the dictionaries and references except with the permission of the faculty council, and the course professor, and they may not be exchanged.
- The student cannot enter calculators except with the permission of the faculty council and the course professor.
- Using speaking dictionaries and programmed calculators into the examination room is forbidden.

Academic Advising

Academic Advising

Academic Advising is considered one of the most significant orientation providers needed by students during university education. It aims to support and advise students to benefit from their self-abilities, develop their skills and encourage them to achieve academic distinction and innovation. In addition, the advising process helps students to complete study and graduate within the specified academic years. At this stage, students will be qualified with scientific experiences and practical skills to be good outputs for the labor market. The academic advising process mentors students to achieve the best results. It also helps them adapt to the university environment and seize available opportunities. In this context, all staff members should be responsible for academic advising. A university professor is regarded as his/her students' mentor, offering them help and advice. The professor should also alert students to mistakes and problems they should avoid in their educational path. This should take place even when he/she is not the main mentor designated by the concerned department on a regular basis. Therefore, advising is the responsibility of all staff members.

The academic advisor

The academic advisor is the person who mentors the student during his study, helping him to overcome difficulties and problems he may face. The responsibilities of the academic advisor are as follows:

- Educating the student about the rights and duties.
- Preparing students to familiarize themselves with the university study system.
- Providing students with correct information, educational policies and study programs.
- Enhancing academic achievement of students, raising their abilities and overcoming the obstacles they face during their studies.
- Alerting students of the academic failure problem and the method to avoid it.
- Providing advice and assistance to students facing academic problems.
- Guiding, taking care of and following up failing students in order to raise their academic level.
- Paying attention to, motivating and spreading the innovations of excellent and talented students.

Teaching Staff

Teaching Staff



**Abdulhafiz Ahmad
Mohammad Alwafi**



Abdullah Saeed Eddah Karban



**Abdullah Abdulhameed
Abdullah Bagasi**



**Abdulrahman Abdulaziz M
Majrashi**



**Adel Mohammad Ahmad
Binyaseen**



**Adnan Yahya Abdullah
Alshahrani**



Ahmed Saleh Ahmed Aljuhani



**Ahmed Mohamed
Abdelrahman Shehata**



**Ali Abdalla Hassan
Elmansoury**



Ali Saleh Ali Alzahrani



**Amr Mohammed Roshdy
Alabbasi**



Badr Mohammed A Alsolami



Teaching Staff



Ebaa Khalid Ibrahim Khan



**Ehab Farouk Mohamed El Said
Rached**



Fahmi Foud Ahmed Bahmdan



Faisal M A Al-Shareef



**Farag Mohamed Zaki Abd
Elnaby**



Fares Saad M Al-Saygh



Husam Ahmed Kheder Murad



Ibraheem N A Al Bukhari



**Khaled Mahmoud Samy
Hassan Sayed**



**Khalid Abdulrauof
Abdulrahim Mirza**



**Lewaa Mohammad Ahmed
Kabli**



**Majdi Mohamed Abdaallah
Albastawisi**



Teaching Staff



Mohamed Atef Elhamy Kamel



Mohamed Wahba Ibrahim Khalil



Mohammad Abdulwahab M Telmesani



Mohammad Abdullah M Almahti



**Mohammad Altaher
Mohammad H A Aljifri**



Mohammed Dakhilallah Saad Alharthi



Mohammed Abubaker Ahmed Bagader Al-Amoudi



Mohanad Ahmad Saddiq Alfelali



Naif Sultan Mesfer Alaboud



Oumr Adnan Abdullah Osra



Saleh Farook Saleh Salamah



Trad Mohammedali Mohammed Binobud



Teaching Staff



Wadia Ali Husain Albarqawi



Wajdy Sadagh A Qattan



Yahya Muhammad A Nabhan



**Younes Hussain Ahmed
Alkhallaqi**



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College of
Engineering and Architecture

Department of
Architecture