



جامعة أم القرى
UMM AL-QURA UNIVERSITY

College of Engineering and Architecture
Department of Architecture

Plan _37
Diploma Supplement
Islamic Architecture



This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family name(s):

1.2 Given Name(s):

1.3 Date of birth (day/month/year):

1.4 Student identification number:

2 INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the qualification and (if applicable) title conferred (in original language):

بكالوريوس العمارة الإسلامية (العمارة)
Bachelor of Islamic Architecture (Architecture) *

2.2 Main field(s) of study for the qualification:

Architecture

2.3 Name and status of awarding institution (in original language):

جامعة أم القرى - كلية الهندسة والعمارة - قسم العمارة
Umm Al-Qura University, College of Engineering and Architecture, Department of Architecture

2.4 Name and status of institution (if different from 2.3) administering studies (in original language):

Same as 2.3

2.5 Language(s) of instruction/examination:

Arabic/ English

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:

Bachelor's Degree

3.2 Official length of programme:

5 Academic years (3 regular semesters & a summer session per year), 10 weeks of lectures rather than exam period per semester. (172 Credit Hours, 300 ECTS)

3.3 Access requirements(s):

High school certificate or its equivalent, and any other requirements specified by the University Council.

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:

Full-time

4.2 Programme requirements:

The Degree is awarded to students who have successfully completed all courses in the curriculum and have obtained cumulative GPA of at least 2.0 on scale 1-4. A description of the academic career, the acquired competences and the achieved learning outcomes are illustrated in page 2 & 3.

4.3 Programme details: Please refer to page 4

4.4 Grading scheme and grade distribution guidance:

Percentage Grade	Grade Meaning	Latter Grade	Grade Points	Percentage Grade	Grade Meaning	Latter Grade	Grade Points
95-100	Excellent+	A+	4.00	60-64	Satisfactory	D	1.00
90-94	Excellent	A	3.75	< 60	Fail	E	0.00
85-89	Very good+	B+	3.50	0.00	Debarred	DE	0.00
80-84	Very good	B	3.00	0.00	Withdrawal	W	0.00
75-79	Good+	C+	2.50	0.00	Incomplete	I	0.00
70-74	Good	C	2.00	0.00	Transferred	TR	0.00
65-69	Satisfactory+	D+	1.50				

4.5 Overall classification of the qual. (in original language):

معدل من أصل 4.00 وتقدير عام
GPA out of 4.00 and overall grade

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

Degree programme may entitle access to postgraduate study.

5.2 Professional status (if applicable):

The Degree enables the holder to practice the profession.

6 ADDITIONAL INFORMATION

6.1 Additional information:

N/A

6.2 Further information sources:

Ministry of education:
<https://www.moe.gov.sa/en/Pages/default.aspx>
Umm Al-qura University: <https://uqu.edu.sa/en>

Our Graduate: The Architect

Before any building is constructed, it exists in the mind's eye of an architect. Architects design buildings in which people work, worship, play, and conduct the countless other activities of their lives. They synthesize human needs, environmental possibilities, building technology, and aesthetic values into designs.

Career Opportunities for Architects

Everything related to the built environment belongs to the domain of the architects. They are front runners in the challenge to create a new world in the twenty first century.

Architects can be employed by large private or public enterprises, consulting firms, governmental or local authorities...etc, whether in Arab or foreign countries. Architects are qualified to work as architectural designers and can gain further experiences to become interior designers, planners, landscape architects or conservation specialists. They can also work in the field of contracting, execution, tender preparation & evaluation, and/or the field of research & studies, or feasibility studies and project management as well as maintenance & restoration of buildings.

Furthermore, they can teach architecture and urban planning at governmental and private higher institutes and they can proceed to be academic staff. Some architects prefer to work independently or to be partners or employees in small firms. Generally young architects work for different kinds of employers in their early years, once they have gained enough experience, many set up in practice on their own.

Islamic Architecture Programme

Goals and Objectives of the Islamic Architecture Programme

Establishing Islamic values and notions in architecture and urbanism for preparing creative architects, planners and researchers who able to fulfil local, regional and international labor market needs.

Prepare a generation of architects, planners and researchers who are: (a) Distinguished in professional capabilities, (b) Act effectively in the KSA and Holy Makkah communities, and (c) Skilled in implementing scientific research methods.

Competency Profile

In order to meet the requirements of the professional activities as an architect, graduates have acquired the following competencies:

- ability to create architectural designs that satisfy Islamic ethics and values, aesthetic and technical requirements;
- adequate knowledge of the history and theories of architecture and the related technologies and human sciences;
- adequate knowledge of urban design, planning and the skills involved in the planning process;
- understanding of the relationship between people and buildings, and between buildings and their environment, and of the need to relate buildings and the spaces between them to human needs and scale;
- understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors;
- understanding of the methods of investigation and preparation of the brief for a design project;
- understanding of the structural design, constructional and engineering problems associated with building design;
- adequate knowledge of physical problems and technologies and of the function of buildings so as to provide them with internal conditions of comfort and protection against the climate;
- the necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations;
- adequate knowledge of the industries, organisations, regulations and procedures involved in translating design concepts into buildings and integrating plans into overall planning.

Structure and Courses (plan 37)

Since the founding of the Department of Architecture at Umm Al Qura University, a number of improvement stages of its program have been launched to keep abreast the development of higher education and technology. With the vision, mission and objectives, the department provides the plan 37.

According to the requirement of Umm Al-Qura University, there are a series of courses concern Islamic culture and there is a compulsory English language course in the first level. According to the requirement of the college, there are several courses focus on basic and applied science fundamental knowledge such as mathematics and physics. Furthermore, some other courses are imported from other departments like Civil Engineering and Computer Eng.

The programme structure offers a broad scientific and architectural base by containing a sequence of specialised courses like Architectural Design Studios, Building Technology and Construction, Theories of Architecture, Theories of Planning, Complementary Courses, etc. These courses are accompanied by two architectural elective courses in 9th and 10th level. The programme includes two summer training courses. They are arranged as practices on professional skills. That means all students are required to take part in each practice for 8 weeks before the graduation. The student acquires a practical training in an architectural firm and on site.

Intended Learning Outcomes ILOs

Architecture students develop highly desirable creative, visual, technical and design-based skills.

The graduate of the Islamic Architecture programme is able to:

Knowledge

1. Describe the heritage of built environment & of topics relating monument protection.
2. Recognize the social context of a construction projects.
3. Identify the ergonomic & spatial requirements of the working environment.
4. Recognize the technology & technological consequences.
5. Recognize the different processes of technical equipment & functional integration among architectural, civil & industrial engineering.
6. Identify the infrastructure & how to develop communication, maintenance & security systems.
7. Recognize the importance of technical infrastructure for design.
8. Recognize the physical problems & tech. associated with the function of a building to create comfort & protection against influence of weather.
9. Recognize the techniques & processes of design & know how to analyze & interpret the different frameworks.
10. Recognize the market mechanisms & their effect on the development of built environment, project management & project development.
11. Recognize the economic & control of construction cost.
12. Recognize the professional ethics & codes of conduct relating to the exercise of profession & understand the legal obligations for architect works.
13. Identify the architectural content of philosophy, physical science & the profession ethics.
14. Recognize the history of environment & its applications.
15. Recognize the history & practice of landscape architecture, urban planning, regional & national planning.
16. Recognize the history & criticism of architecture.
17. Recognize the scientific theories relevant to the architecture.
18. Recognize the connections between architecture & philosophy, & political trends & cultural movement of other creative disciplines.
19. Identify the relevant laws, rules & standards for planning, design, construction, health, safety & the handling of built environment.
20. Recognize the economic transactions, real estate investment & facility management.
21. Recognize the potential roles of architect in new & already familiar fields of action as well as in international context.
22. Define functional requirements for different sectors of environment.

Cognitive Skills

23. Apply the knowledge of historical & cultural references in the field of international architecture.
24. Apply the knowledge concerning the influence of visual arts to the quality of architectural design.
25. Apply the knowledge of bearing structure, materials, supply & disposal.
26. Apply the knowledge of design theory & design methods.
27. Apply the knowledge of professional, business, financial & rules requirements.
28. Apply the knowledge of natural systems & built environment.
29. Distinguish the divergent factors in accordance to each other, to integrate knowledge & to apply skills when creating design solutions.
30. Design creatively & to control & integrate the activities of other parties involved in the design.
31. Collect information, to define problems, to apply analysis, to judge critically & to formulate strategies for action.
32. Design in three dimensions.
33. Regulate the programs for construction projects & thereby to define the needs of developers, users & the public.
34. Apply knowledge to society, clients & users.
35. Plan & coordinate the construction & structure process.
36. Regulate processes involved in building construction & its economic management.
37. Apply knowledge in math., science, IT, engineering work & the context of practices in solving engineering problems.
38. Measure, analyze & interpret the results of experiments.
39. Innovatively solve complex problems using IT (and / or) the usual procedural methods.

Interpersonal Skills & Responsibility

40. Analyze the Islamic ethics & its effect on the composition of architectural character.
41. Work in a team & communicate ideas by means of speech, text, drawings & models.
42. Take the responsibility for self-learning & continuing personal & professional development.
43. Act responsibly in personal & professional relationships.

Communication, information technology & numerical skills

44. Use the evaluation systems, which utilize manual (and/ or) electronic means for the diagnosis of built environment.
45. Analyze the results of the numerical models & evaluate its potentials.
46. Choose & apply the appropriate mathematical tools & methods of computing for modeling analysis of engineering problems.
47. Interpret questionnaires & evaluate information & concepts from a variety of sources.

Psychomotor

48. Employ the drawing skills & digital models to analyze projects & develop construction plans.
49. Lead craftworks efficiently & mastery.
50. Perform various skills without help.
51. Use body language to express his opinions & ideas.

4.3 Programme details-(e.g. modules or units studied), and the individual grades/marks/credits obtained:

No	Course Code	Course Title	Level	Credit Hours	* ECTS	Grade
1	8011101-5	Architectural Design Studio 1	1	5	13	
2	8011401-2	Descriptive Geometry & Architectural Drawing	1	2	4	
3	8011406-2	Architecture of Ancient Civilizations	1	2	3	
4	8011201-2	Building Materials	1	2	2	
5	7001801-4	English Language	1	4	6	
6	4041001-2	Mathematics for Architects	1	2	2	
1	8011106-5	Architectural Design Studio 2	2	5	13	
2	8011416-2	Shadow, Perspective & Architectural Presentation	2	2	4	
3	8011111-2	Design Process & Methods	2	2	3	
4	8011411-2	Architectural Models	2	2	3	
5	7001802-4	English Language for Architects	2	4	5	
6	4032106-2	Physics For Architects	2	2	2	
1	8011116-5	Architectural Design Studio 3	3	5	12	
2	8011206-2	Building Construction 1	3	2	4	
3	8011421-2	History & Theories of Architecture 1	3	2	2	
4	8032840-2	Surveying	3	2	3	
5	8011426-2	Computer Applications 1	3	2	3	
6	8013146-2	Interior Design	3	2	3	
7	8013331-2	Landscape Architecture	3	2	3	
1	8011121-5	Architectural Design Studio 4	4	5	12	
2	8011216-2	Building Construction 2	4	2	4	
3	8011431-2	History & Theories of Architecture 2	4	2	2	
4	8032642-2	Structure 1	4	2	3	
5	8012441-2	Computer Applications 2	5	2	3	
6	8011301-2	Introduction to Urban Environment	4	2	3	
7	8011211-2	Environmental Control	4	2	3	
1	8012126-5	Architectural Design Studio 5	5	5	12	
2	8012226-2	Building Construction 3	5	2	3	
3	8012436-2	History & Theories of Architecture 3	5	2	2	
4	8012306-2	History & Theories of Urban Planning	5	2	2	
5	8012311-2	Urban Design	5	2	2	
6	8033644-2	Structure 2	5	2	2	
7	8011221-2	Buildings Technical Instalation	5	2	2	
1	8012131-5	Architectural Design Studio 6	6	5	11	
2	8012231-2	Building Construction 4	6	2	3	
3	8012446-2	History & Theories of Architecture 4	6	2	2	
4	8012316-3	Urban Planning Studio	6	3	6	
5	8012321-3	Urban Planning	6	2	2	
6	8012451-2	Rules & Regulations of Urbanism	6	2	2	
7	8012501-2	Summer Training (1)	6	2	9	
1	8013136-5	Architectural Design Studio 7	7	5	12	
2	8013236-2	Execution Design Studio 1	7	2	4	
3	8013326-2	Housing	7	2	2	
4	8013456-2	Advanced Computer Applications	7	2	3	
5	8033646-2	Structure 3	7	2	2	
6	605101-2	The Holy Quran 1	7	2	2	
7	601101-2	Islamic Culture 1	7	2	2	
1	8013141-5	Architectural Design Studio 8	8	5	12	
2	8013241-2	Execution Design Studio 2	8	2	4	
3	102101-2	The Biography of Prophet Mohammad (pbuh)	8	2	2	
4	1011244-2	Jurisprudence for Architects	8	2	2	
5	605201-2	The Holy Quran 2	8	2	2	
6	601201-2	Islamic Culture 2	8	2	2	
7	8013506-2	Summer Training (2)	8	2	9	
1	8014151-5	Architectural Design Studio 9	9	5	13	
2	8014156-2	Graduation Project Research	9	2	4	
3	8014246-2	Architectural Project Management	9	2	3	
4	605301-2	The Holy Quran 3	9	2	2	
5	601301-3	Islamic Culture 3	9	3	2	
6	501101-2	Arabic Language	9	2	2	
7	8014511-2	** Elective Course 1	9	2	3	
1	8014161-7	Architectural Design Studio 10	10	7	18	
2	8014251-2	Economies of Architectural Project	10	2	3	
3	8014336-2	Human & Environment	10	2	3	
4	605401-2	The Holy Quran 4	10	2	2	
5	601401-2	Islamic Culture 4	10	2	2	
6	8014521-2	** Elective Course 2	10	2	3	
** Electives					*1ECTS = 28 Hrs.	
8014514-2	Urban Heritage in KSA	8014524-2	Architectural Criticism			
8014516-2	High Tech in Building Construction	8014526-2	Vernacular Architecture			
8014518-2	Mega Structure	8014528-2	Architecture of the Holy Mosque & the Prophet's Mosque			
8014520-2	Sustainability & Green Architecture					

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date:

7.2 Name and signature:

7.3 Capacity:

7.4 Official stamp or seal:

8 INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM IN KSA

Introduction

Kingdom of Saudi Arabia (KSA) has an ambition system of higher education, designed to ensure maximum flexibility and responsiveness to the needs of students and to the wide variety of social and economic requirements. Furthermore, it comprises a diversity of institutions offering differing types and levels of courses. The main language of instruction is Arabic. However, there are some private higher education institutions that use English as the medium of instruction. English language is a compulsory subject in the higher education preparatory year.

Institution Types

The higher education in KSA includes a range of Institutions-Universities and Institutes of Technology as well as Colleges of Education as follows:

Universities Public universities are typically larger than private universities and are comprised of many colleges and faculties. All are single sex, although co-educational universities operate with segregated classes. Most research activity takes place at large public universities. The number of universities operating in KSA has grown significantly in recent years, with many new universities created through mergers or upgrades of colleges or regional campuses

Junior Colleges/Community Colleges Community colleges have lower entry standards than universities, offering two- to three-year degree programs in a range of fields. They are often attached to public universities and have established articulation pathways to Bachelor Degree programs.

Girls' Colleges Girls' colleges tend to be specialized institutions offering limited fields of study, many specializing in education. The colleges offer Associate and Bachelor Degrees. Some colleges offer a few graduate programs. Undergraduate programs at girls' colleges tend to require higher credit loads than other programs, and therefore do not follow the standard credit/semester system described below.

Technical & Vocational Training Corporation (TVTC) Technical Colleges & Institutes

(a) Industrial and Vocational Institutes award labor-market-focused certificates and diplomas and admit males only. There are currently 70 institutes across the country, according to TVTC data, (b) Colleges of Tech. award a range of qualifications from certificates to bachelor's degrees. They admit males only and are highly competitive. There are currently 35 such colleges in major cities around the country, according to TVTC data, and (c) Higher Technical Institutes for Girls offer diplomas in many different specializations. They are often very competitive to get into, some colleges admitting just one in 20 applicants.

Private Colleges

The vast majority of technical and vocational institutions in KSA are private, and they represent half of all technical and vocational enrollments. Entry tends to be much less competitive than for the public colleges and institutes outlined above.

The academic year

The academic year runs on a two-semester basis from September to June, with an optional summer session. In the technical and vocational sector, most institutions operate on a three-term calendar. The university system is patterned on the U.S. structure with two-year associate degrees, at least four-year bachelor degrees, and two-year master's degrees.

Administration & Funding

Policy, funding, administration and regulation of the tertiary sector are through the Ministry of Higher Education and the Technical and Vocational Training Corporation (TVTC). Many other government agencies are involved in education including the Ministry of Religious Affairs, the Ministry of Health, the Ministry of the Interior and the Ministry of Defense. The Ministry of Higher Education is responsible for policy development and funding for the higher education sector. TVTC is an independent body responsible for all aspects of technical and vocational education in KSA, including the licensing and accreditation of private institutes. The Saudi Commission for Health Specialties oversees (accredits and licenses) all health-related private institutes as well as health-related programs in the public sector. It is also responsible for professional licensing for all healthcare practitioners.

Requirements for Admission to Higher Education

Broadly speaking, applicants for admission to higher education are required to have completed secondary education and hold a General Secondary Education Certificate (GSEC). Entry to specific programs is based on the secondary stream completed, scores acquired in the GSEC, and performance on aptitude (qudrat) and proficiency (tahseeli) tests. Satisfactory completion of studies at any level does not necessarily qualify a person to enter studies at the next level. Entry requirements may be set based on grades or other criteria to ensure that applicants have a reasonable chance of success. Entry to Higher Diploma programs requires a minimum Bachelor GPA of 2.00 out of 4.00, while Master's programs typically require a GPA of 3.00. Entry to Doctoral programs requires a Master's GPA of 3.00.

Credit Hours

Based on contact hours, the Saudi credit system suggests 15 credit hours per semester as a full-time undergraduate load, and 30 credit hours in an academic year. A maximum of 18 credit hours can be recognized for studies in any one semester. Credit hour calculations are based on a formula in which one 50-minute lecture, or two or three 50-minute laboratory or tutorial sessions over a 15-week teaching semester are regarded as one credit hour. Higher education programs in professional fields often include periods of fieldwork or internship. These may or may not be assigned credit hours.

Qualifications Framework & Quality Assurance

A National Qualifications Framework (NQF) for Higher Education was established in 2009 by Saudi Arabia's National Commission for Academic Accreditation and Assessment (NCAAA), the nation's main higher education regulatory and quality assurance agency. The NQF is intended to ensure consistency within the Kingdom in the standards of student learning outcomes regardless of institution attended, and also for the purposes of international equivalencies. The framework is based on credit requirements and the learning outcomes that each program is expected to develop. The NQF is also designed to provide appropriate points of reference in academic standards for institutions in their planning and self-review process, and also for external reviewers from the NCAAA performing program accreditation and institutional reviews. Positive institutional and program accreditation decisions from the NCAAA are valid for seven years. All qualifications awarded must comply with the National Qualifications Framework.

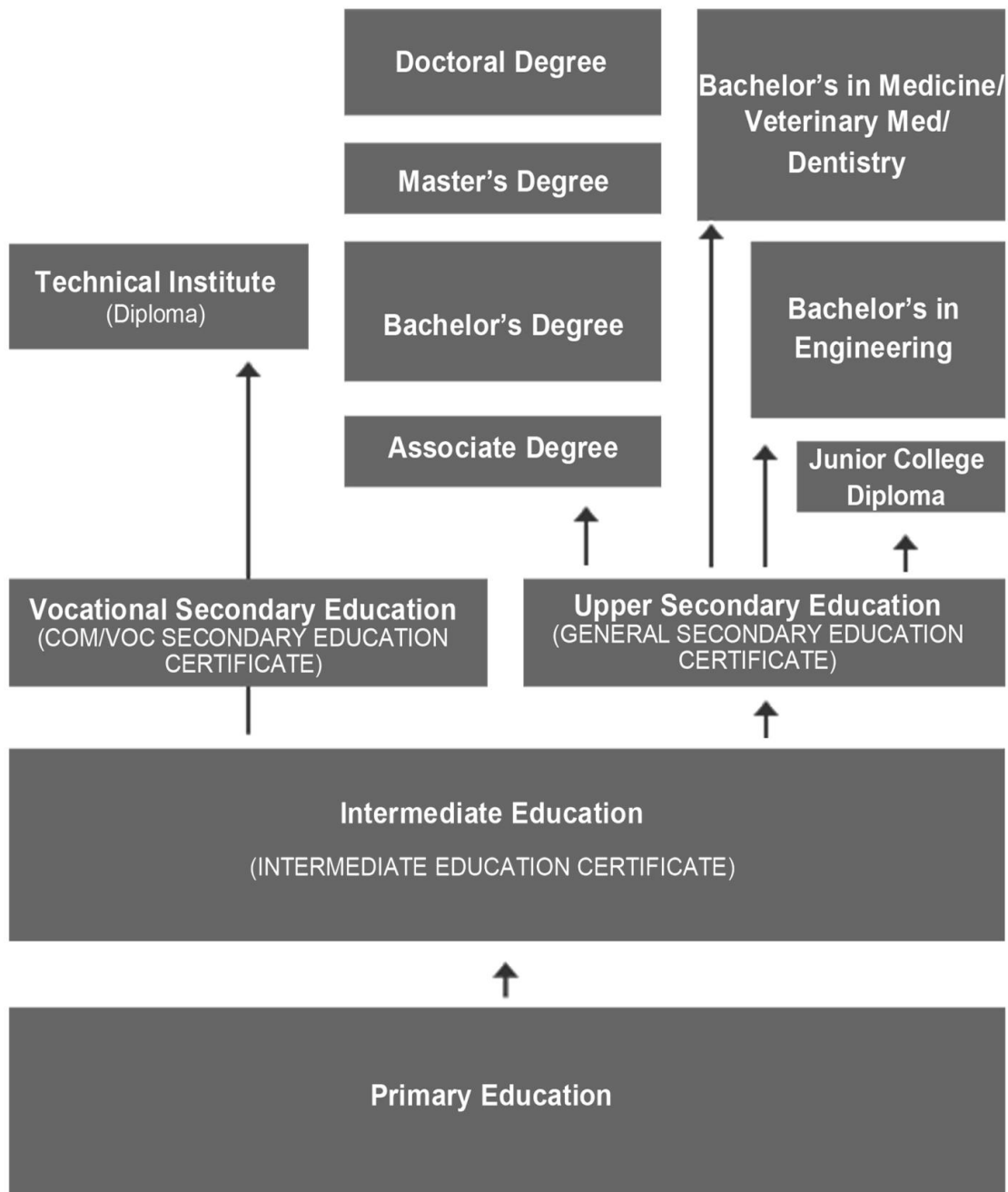


DIAGRAM OF EDUCATIONAL SYSTEM IN KSA