



CANADIAN
UNIVERSITY DUBAI
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Bachelor of Architecture
Program Viewbook
Canadian University Dubai



INSPIRING MINDS
TRANSFORMING LIVES

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Program Overview

The Bachelor of Architecture is a five-year program that offers students a comprehensive education in architecture. It combines theoretical knowledge with practical skills and covers various subject areas such as architectural design, computation, history and theory, building technology, sustainability, and urban planning. The program aims to prepare students to create architecture that innovatively addresses contemporary challenges, including the climate crisis, the quest for social innovation in a globalized world, and the impact of new technologies in human lives. Dubai's unique cultural and environmental diversity supports the program to prepare architects for successful careers in various geographical contexts.

Program Requirements

Program Requirements	Compulsory Cr. Hrs.	Elective Cr. Hrs.	Total Cr. Hrs.
University Requirements (GE Courses)	27	06	33
Program Core Requirements (Core Courses)	41	-	41
Program Major Requirements	87	09	96
Total	155	15	170

University Requirements [General Education Courses - 33 Credits]

Course Code	Course Title	Prerequisite	Cr. Hrs.
Compulsory Courses (27 Credits)			
LNG 171-1	English I	None	3
LNG 172-1	English II	LNG 171-1	3
LNG 173-1	Professional Communication Skills	LNG 172-1	3
GED 190	Emirati Studies	None	3
GED 255	Critical Thinking and Problem Solving	LNG 172-1	3

Course Code		Course Title	Prerequisite	Cr. Hrs.
MTH	112	Calculus I	Pass Math Placement Test or MTH 012	3
SCI	220	Engineering Mechanics	None	3
ENT	141	Fundamentals of Innovation and Entrepreneurship 1	None	2
ENT	142	Fundamentals of Innovation and Entrepreneurship 2	ENT 141	1
ENT	241	Entrepreneurship 1	ENT 142	2
ENT	242	Entrepreneurship 2	ENT 241	1
Elective Courses (06 Credits): Students are required to Select TWO Courses from the following Pool				
GED	110	Modern Art Appreciation	None	3
GED	111	Music Appreciation and Communication	None	3
GED	112	Using Positive Psychology at Work	LNG 172	3
GED	191	Islamic Studies	None	3
GED	196	Communication Skills in Arabic 1	None	3
GED	205	Psychology in Everyday Life	LNG 172	3
GED	272	Fundamentals of Public Speaking	LNG 172	3
GED	324	Ethical Reasoning for Today's World	LNG 172	3

Program Core Requirements [Core Courses - 41 Credits]

Course Code	Course Title	Prerequisite/ <u>Co-requisite</u>	Cr. Hrs.
DES 101	Studio 1 - Introduction to Design	<u>Co-DES 110 & DES 113</u>	4
DES 102	Studio 2 - Design and The Human	DES 101, DES 110, DES 113 <u>Co-DES 120 & DES 123</u>	4
DES 110	Design Theory	<u>Co-DES 101 & DES 113</u>	3
DES 113	Drafting & Modeling	<u>Co-DES 101 & DES 110</u>	3

Course Code	Course Title	Prerequisite/ <u>Co-requisite</u>	Cr. Hrs.
DES 120	Human Factors	<u>Co-DES 102 & DES 123</u>	3
DES 123	Freehand Drawing & Rendering	<u>Co-DES 102 & DES 120</u>	3
DES 213	History of Architecture and Interior Design 1	LNG 171-1, DES 110	3
DES 214	Computer-Aided Design	DES 113	3
DES 223	History of Architecture and Interior Design 2	DES 213	3
DES 400	Internship	120 Cr. Hrs. & CGPA $\geq$ 2	3
DES 361	Working Drawings and Detailing	ARC 244/IND 211, ARC 301/IND 301	3
DES 381	Artificial Intelligence for Design Applications	DES 214	3
DES 382	Data Analytics in the Built Environment	MTH 112 or MTH 196, DES 214	3

Program Major Requirements [96 Credits]

Course Code	Course Title	Prerequisite	Cr. Hrs.
Compulsory Courses (87 Credits)			
ARC 201	Studio 3 - Architectural Design & Materiality	DES 102, DES 120, DES 123	6
ARC 202	Studio 4 - Design and Context	ARC 201	6
ARC 232	Site Planning & Landscape	None	3
ARC 243	Construction and Design Integration 1	DES 102	3
ARC 244	Construction and Design Integration 2	ARC 243	3
ARC 301	Studio 5 - Design and The Environment	DES 223, ARC 202	6
ARC 302	Studio 6 - Home and The City	ARC 301, ARC 311, ARC 312	6
ARC 311	Building Information Modelling	DES 214	3
ARC 312	Structures for Architecture	MTH 112, SCI 220, ARC 244	3
ARC 322	Research & Design Applications	LNG 173-1, ARC 202	3
ARC 341	Environmental Systems & Design Integration	ARC 202, ARC 232	3
ARC 401	Studio 7 - Urban Design	ARC 302, ARC 322 & <u>Co-ARC 434</u>	6

Course Code	Course Title	Prerequisite	Cr. Hrs.
ARC 402	Studio 8 - Integrated Design 1	ARC 311, ARC 401	6
ARC 434	Planning and Urban Design	ARC 302	3
ARC 435	Vernacular Architecture and Conservation	DES 223	3
ARC 440	Building Code for Architecture	DES 361, ARC 302	3
ARC 450	Professional Practice & Project Management for Architecture	ARC 302	3
ARC 501	Studio 9 - Integrated Design 2	ARC 402	6
ARC 502	Studio 10 - Senior Project	DES 400, ARC 435, ARC 510, ARC 511	6
ARC 510	Research and Design Explorations	ARC 322, ARC 440	3
ARC 511	Construction Economics	ARC 322, ARC 440	3
Elective Courses (09 Credits): Students are required to Select Three Courses from the following courses			
IND 341	Furniture Design and Detailing	DES 120, DES 223	3
ARC 410	Urban Studies Seminar	ARC 434	3
ARC 420	Revitalizing Public Spaces via Small-scale Installations	ARC 302 or IND 302	3
DES 410	Architecture of The Islamic World	DES 223	3
DES 420	Landscape Architecture	ARC 232 or IND 220	3
DES 430	Graphic Design & Portfolio for Architects & Interior Designers	DES 214	3
DES 440	Visualization	DES 214	3
DES 450	Complex Design Studio	ARC 302 or IND 302	3
DES 460	Digitization and Robotics in Building Construction	ARC 302 or IND 302	3
DES 470	Professional Practice Seminar	ARC 302 or IND 302	3

Study Plan (For 2024-25 Cohort onwards)

Sem.	Course Code		Course Title	Prerequisite/Co-requisite	Cr. Hrs.
Semester 1	LNG	171-1	English I	None	3
	DES	101	Studio 1 - Introduction to Design	Co-DES 110 & DES 113	4
	DES	110	Design Theory	Co-DES 101 & DES 113	3
	DES	113	Drafting & Modelling	Co-DES 101 & DES 110	3
	ENT	141	Fundamentals of Innovation and Entrepreneurship 1	None	2
	MTH	112	Calculus I	Pass Math Placement test or MTH 012	3
	Total				18
Semester 2	LNG	172-1	English II	LNG 171-1	3
	DES	102	Studio 2 - Design and The Human	DES 101, DES 110, DES 113 Co-DES 120 & DES 123	4
	DES	120	Human Factors	Co-DES 102 & DES 123	3
	DES	123	Freehand Drawing & Rendering	Co-DES 102 & DES 120	3
	ENT	142	Fundamentals of Innovation, and Entrepreneurship 2	ENT 141	1
	SCI	220	Engineering Mechanics	None	3
	Total				17
Semester 3	ARC	201	Studio 3 – Architectural Design & Materiality	DES 102, DES 120, DES 123	6
	ARC	243	Construction and Design Integration 1	DES 102	3
	DES	213	History of Architecture and Interior Design 1	LNG 171-1, DES 110	3
	DES	214	Computer-Aided Design	DES 113	3
	ENT	241	Entrepreneurship 1	ENT 142	2
	Total				17

Sem.	Course Code		Course Title	Prerequisite/Co-requisite	Cr. Hrs.
Semester 4	ARC	202	Studio 4 - Design and Context	ARC 201	6
	ARC	232	Site Planning & Landscape	None	3
	ARC	244	Construction and Design Integration 2	ARC 243	3
	DES	223	History of Architecture and Interior Design 2	DES 213	3
	LNG	173-1	Professional Communication Skills	LNG 172-1	3
	ENT	242	Entrepreneurship 2	ENT 241	1
	Total				19
Semester 5	ARC	301	Studio 5 - Design and The Environment	DES 223, ARC 202	6
	ARC	311	Building Information Modelling	DES 214	3
	ARC	312	Structures for Architecture	MTH 112, SCI 220, ARC 244	3
	ARC	341	Environmental Systems & Design Integration	ARC 202, ARC 232	3
	DES	381	Artificial Intelligence for Design Applications	DES 214	3
	Total				18
Semester 6	ARC	302	Studio 6 - Home and The City	ARC 301, ARC 311, ARC 312	6
	ARC	322	Research & Design Applications	LNG 173-1, ARC 202	3
	DES	361	Working Drawings and Detailing	ARC 244/IND 211, ARC 301/IND 301	3
	DES	382	Data Analytics in the Built Environment	MTH 112 or MTH 196, DES 214	3
	XXX	XXX	Program Major Elective (1)		3
	Total				18
Semester 7	ARC	401	Studio 7 - Urban Design	ARC 302, ARC 322 & Co-ARC 434	6
	ARC	434	Planning & Urban Design	ARC 302	3
	ARC	435	Vernacular Architecture and Conservation	DES 223	3
	GED	190	Emirati Studies	None	3

Sem.	Course Code		Course Title	Prerequisite/Co-requisite	Cr. Hrs.
	Total				15
Semester 8	ARC	402	Studio 8 - Integrated Design 1	ARC 311, ARC 401	6
	ARC	440	Building Code for Architecture	DES 361, ARC 302	3
	ARC	450	Professional Practice & Project Management for Architecture	ARC 302	3
	XXX	XXX	Program Major Elective (2)		3
	Total				15
Semester 9	ARC	501	Studio 9 - Integrated Design 2	ARC 402	6
	ARC	510	Research and Design Explorations	ARC 322, ARC 440	3
	ARC	511	Construction Economics	ARC 322, ARC 440	3
	GED	XXX	GE Elective (1)		3
	Total				15
Semester 10	ARC	502	Studio 10 - Senior Project	DES 400, ARC 435, ARC 510, ARC 511	6
	GED	255	Critical Thinking and Problem Solving	LNG 172-1	3
	GED	XXX	GE Elective (2)		3
	XXX	XXX	Program Major Elective (3)		3
	Total				15
	DES	400	Internship	120 Cr. Hrs. & CGPA $\geq$ 2	3
Total Credit Hours					170

Study Plan (For Cohort before 2024-25)

Sem.	Course Code		Subject Title	Prerequisite	Credit Hours
Semester 1	LNG	171-1	English I	None	3
	MTH	112	Calculus I	Pass Math Placement test or MTH 012	3
	DES	121	Design Theory	<u>Co-DES 161 & DES 171</u>	3
	DES	161	Introduction to Design (Studio)	<u>Co-DES 121 & DES 171</u>	4
	DES	171	Drafting & Modelling	<u>Co-DES 121 & DES 161</u>	3
	ENT	141	Fundamentals of Innovation and Entrepreneurship 1	None	2
	Total				18
Semester 2	LNG	172-1	English II	LNG 171-1	3
	SCI	101	Physics I	None	3
	DES	172	Freehand Drawing & Rendering	<u>Co-DES 122 & DES 162</u>	3
	DES	122	Human Factors	<u>Co-DES 162 & DES 172</u>	3

Sem.	Course Code		Subject Title	Prerequisite	Credit Hours
	DES	162	Fundamentals of Design (Studio)	DES 121, DES 161, DES 171 <u>Co-DES 122 & DES 172</u>	4
	ENT	142	Fundamentals of Innovation and Entrepreneurship 2	ENT 141	1
	Total				17
Semester 3	DES	221	History of Architecture and Interior Design 1	DES 121, LNG 171	3
	DES	241	Construction and Design Integration	DES 162	3
	DES	261	Design Principles (Studio)	DES 122, DES 162, DES 172	6
	DES	271	Computer Aided Design	DES 171	3
	ENT	241	Entrepreneurship 1	ENT 142	2
	Total				17
Semester 4	DES	222	History of Architecture and Interior Design 2	DES 221	3
	ARC	232	Site Planning & Landscape	None	3
	ARC	242	Advanced Construction and Design Integration	DES 241	3

Sem.	Course Code		Subject Title	Prerequisite	Credit Hours
	ARC	262	Design Methods (Studio)	DES 261	6
	ARC	272	Building Information Modelling	DES 271	3
	ENT	242	Entrepreneurship 2	ENT 241	1
	Total				19
Semester 5	LNG	173	Professional Communication Skills	LNG 172-1	3
	DES	341	Environmental Systems & Design Integration	ARC 232/IND 232, ARC 262/IND 262	3
	ARC	343	Structures 1	MTH 112, SCI 101, ARC 242	3
	ARC	361	Environmental Design (Studio)	ARC 262, DES 222	6
	XXX	XXX	Major Elective (1)		3
	Total				18
Semester 6	ARC	321	Research & Design Applications	ARC 262, LNG 173	3
	ARC	342	Advanced Environmental Systems & Design Integration	DES 341, ARC 242	3
	ARC	344	Structures 2	ARC 343	3

Sem.	Course Code		Subject Title	Prerequisite	Credit Hours
	ARC	362	Design Studio (Housing)	ARC 361, ARC 343, ARC 272	6
	DES	371	Working Drawings and Detailing	ARC 242/IND 242, ARC 361/IND 361	3
	Total				18
Semester 7	GED	199	UAE Society	None	3
	ARC	431	Planning & Urban Design	ARC 362	3
	ARC	432	Vernacular Architecture and Conservation	DES 222	3
	ARC	461	Urban Study (Studio)	ARC 362, ARC 321 & Co ARC 431	6
	Total				15
Semester 8	ARC	441	Building Code	ARC 362, DES 371	3
	ARC	451	Professional Practice & Project Management	ARC 362	3
	ARC	462	Integrated Design (Studio)	ARC 272, ARC 342, ARC 344, ARC 461	6
	XXX	XXX	Major Elective (2)		3

Sem.	Course Code		Subject Title	Prerequisite	Credit Hours
	Total				15
Semester 9	GED	XXX	Humanities Elective		3
	ARC	561	Design Studio (Institutional)	ARC 342, ARC 462	6
	ARC	541	Construction Economics	ARC 451	3
	ARC	521	Research and Design Explorations	ARC 321, ARC 441	3
	Total				15
Semester 10	GED	196	Communication Skills in Arabic 1	None	3
	GED	198E	Islamic Culture	None	3
	ARC	562	Senior Project - Design (Studio)	DES 351, ARC 344, ARC 432, ARC 521, ARC 541	6
	XXX	XXX	Major Elective (3)		3
	Total				15
	DES	351	Internship*	120 Cr. Hrs. & CGPA $\geq$ 2	3
Total Credit Hours					170