Bachelor of Architecture

2021-2022

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
Semester 1	DESI	101	Introduction to Design (Studio)		4
	DESI	121	Design Theory		3
	DESI	141	Drafting & Modelling		3
	LNG	171	English I		3
	MTH	112	Calculus I	Pass Math Placement Test or MTH-012	3
	Total				**16**
Semester 2	DESI	102	Fundamentals of Design (Studio)	DESI 101	4
	DESI	122	Human Factors	DESI 101	3
	DESI	142	Freehand Drawing & Rendering		3
	LNG	172	English II	LNG 171	3
	GED	195E	Descriptive Geometry		3
	Total				**16**
Semester 3	DESI	220	Design Principles (Studio)	DESI 102	6
	DESI	211	Construction & Design Integration 1	DESI 102	3
	DESI	270	Sustainability of Buildings 1	DESI 101	3
	HISD	201	History of Architecture & Interior Design 1	LNG 172	3
	Total				**15**
Semester 4	DESI	221	Design Methods (Studio)	DESI 220	6
	DESI	212	Construction & Design Integration 2	DESI 211	3
	DESI	231	Computer Aided Design	DESI 102	3

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
	HISD	202	History of Architecture & Interior Design 2	HISD 201	3
	Total				**15**
Semester 5	ARCH	330	Environmental Design (Studio)	DESI 221	6
	ARCH	300	Structures 1	MTH 112	3
	DESI	320	Environmental Systems & Design Integration. 1	DESI 221	3
	LNG	173	Professional Communication Skills	LNG 172	3
			Humanities Elective (1)		3
	Total				**18**
Semester 6	ARCH	331	Integrated Design (Studio)	ARCH 330	6
	ARCH	301	Structures 2	ARCH 300	3
	ARCH	360	Architectural Conservation & Heritage	HISD-202	3
	DESI	321	Environmental Systems & Design Integration 2	DESI 320	3
	DESI	340	Working Drawings & Detailing	ARCH 330/INDE 330	3
	Total				**18**
Semester 7	ARCH	443	Design Studio (Institutional)	ARCH 331	6
	ARCH	421	Architecture of the Islamic World	ARCH 331	3
	ARCH	431	Planning & Urban Design	ARCH 331	3
			Major Core Elective (1)		3
			Major Core Elective (2)		3
	Total				**18**
Semester 8	ARCH	444	Design Studio (Housing)	ARCH 331	6
	ARCH	422	Research & Design Applications	ARCH 331	3

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
	ARCH	456	Building Code	ARCH 331	3
			Major Core Elective (3)		3
	Total				**15**
Semester 9	ARCH	540	Senior Project - Urban Study (Studio)	ARCH 444 + ARCH 431	6
	ARCH	570	Research Topic	ARCH 331	3
	DESI	550	Project Management	ARCH 331	3
			Social & Cultural		3
	GED	196E	Communication Skills in Arabic		3
	Total				**18**
Semester 10	ARCH	541	Senior Project - Design (Studio)	ARCH 540	6
	DESI	500	Professional Business & Portfolio	ARCH 331	3
			Humanities Elective (2)		3
			Science & Technology		3
	GED	198E	Islamic Culture		3
	Total				**18**
	DESI	490	Internship Between Semesters 6 and 7 or after semester 8	After 80 Cr.H	3
Total Credit Hours					**170**

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
Semester 1	DESI	101	Introduction to Design (Studio)		4
	DESI	121	Design Theory		3
	DESI	141	Drafting & Modelling		3
	LNG	171	English I		3
	MTH	112	Calculus I	Pass Math Placement Test or MTH-012	3
	Total				**16**
Semester 2	DESI	102	Fundamentals of Design (Studio)	DESI 101	4
	DESI	122	Human Factors	DESI 101	3
	DESI	142	Freehand Drawing & Rendering		3
	LNG	172	English II	LNG 171	3
	GED	195E	Descriptive Geometry		3
	Total				**16**
Semester 3	DESI	220	Design Principles (Studio)	DESI 102	6
	DESI	211	Construction & Design Integration 1	DESI 102	3
	DESI	270	Sustainability of Buildings 1	DESI 101	3
	HISD	201	History of Architecture & Interior Design 1	LNG 172	3
	Total				**15**
Semester 4	DESI	221	Design Methods (Studio)	DESI 220	6
	DESI	212	Construction & Design Integration 2	DESI 211	3
	DESI	231	Computer Aided Design	DESI 102	3

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
	HISD	202	History of Architecture & Interior Design 2	HISD 201	3
	Total				**15**
Semester 5	ARCH	330	Environmental Design (Studio)	DESI 221	6
	ARCH	300	Structures 1	MTH 112	3
	DESI	320	Environmental Systems & Design Integration. 1	DESI 221	3
	LNG	173	Professional Communication Skills	LNG 172	3
			Humanities Elective (1)		3
	Total				**18**
Semester 6	ARCH	331	Integrated Design (Studio)	ARCH 330	6
	ARCH	301	Structures 2	ARCH 300	3
	ARCH	360	Architectural Conservation & Heritage	HISD-202	3
	DESI	321	Environmental Systems & Design Integration 2	DESI 320	3
	DESI	340	Working Drawings & Detailing	ARCH 330/INDE 330	3
	Total				**18**
Semester 7	ARCH	443	Design Studio (Institutional)	ARCH 331	6
	ARCH	421	Architecture of the Islamic World	ARCH 331	3
	ARCH	431	Planning & Urban Design	ARCH 331	3
			Major Core Elective (1)		3
			Major Core Elective (2)		3
	Total				**18**
Semester 8	ARCH	444	Design Studio (Housing)	ARCH 331	6
	ARCH	422	Research & Design Applications	ARCH 331	3

Semester	Course Code		Subject Title	Prerequisite	Credit Hours
	ARCH	456	Building Code	ARCH 331	3
			Major Core Elective (3)		3
	Total				**15**
Semester 9	ARCH	540	Senior Project - Urban Study (Studio)	ARCH 444 + ARCH 431	6
	ARCH	570	Research Topic	ARCH 331	3
	DESI	550	Project Management	ARCH 331	3
			Social & Cultural		3
	GED	196E	Communication Skills in Arabic		3
	Total				**18**
Semester 10	ARCH	541	Senior Project - Design (Studio)	ARCH 540	6
	DESI	500	Professional Business & Portfolio	ARCH 331	3
			Humanities Elective (2)		3
			Science & Technology		3
	GED	198E	Islamic Culture		3
	Total				**18**
	DESI	490	Internship Between Semesters 6 and 7 or after semester 8	After 80 Cr.H	3
Total Credit Hours					**170**

Spring Cohort

Semester	Course Code		Subject Title	Pre-requisite/ Co-requisite	Credit Hours
Semester 1 (Normal Sem 2 Spring)	LNG	171	English I	None	3
	MTH	112	Calculus I	Pass Math Placement test or MTH-012	3
	DES	121	Design Theory	Co-REQ 161 & 171	3
	DES	161	Introduction to Design (Studio)	Co-REQ 121 & 171	4
	DES	171	Drafting & Modelling	Co-REQ 121 & 161	3
Total					**16**
Summer Semester Intensive 8 Week (Normal Semester 2)	DES	172	Freehand Drawing & Rendering	Co-REQ 122 & 161	3
	DES	122	Human Factors	Co-REQ 162 & 172	3
	DES	162	Fundamentals of Design (Studio)	Co-DES 122 & 172	4
Total					**10**
From Semester 3 onwards the students will follow the same schedule as the Fall cohort students					
Semester 3	DES	221	History of Architecture & Interior Design 1	LNG-171 & DES-121	3
	LNG	172	English II	LNG-171	3
	DES	241	Construction & Design Integration	DES-162	3
	DES	261	Design Principles (Studio)	DES-162, 122 & DES-172	6
	DES	271	Computer Aided Design	DES-171	3
	Total				**18**
Semester 4	DES	222	History of Architecture & Interior Design 2	DES-221	3

Semester	Course Code		Subject Title	Pre-requisite/ Co-requisite	Credit Hours
	ARC	232	Site Planning & Landscape	None	3
	ARC	242	Advanced Construction & Design Integration	DES-241	3
	ARC	262	Design Methods (Studio)	DES-261	6
	ARC	272	Building Information Modelling	DES-271	3
Total					**18**
Summer Semester	SCI	101	Physics I	None	**3**
	GED	xxx	Humanity elective	DES-162	**3**
	Total				**6**
Semester 5	LNG	173	Professional Communication Skills	LNG-172	3
	DES	341	Environmental Systems & Design Integration.	ARC-262 /IND-262 and ARC-232 /IND-232	3
	ARC	343	Structures 1	MTH-112, SCI-101 & ARC-242	3
	ARC	361	Environmental Design (Studio)	ARC-262 & DES-222	6
		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
	ARC	362	Design Studio (Housing)	ARC-361. 343, 272	6

Semester	Course Code		Subject Title	Pre-requisite/ Co-requisite	Credit Hours
	DES	371	Working Drawings & Detailing	ARC-361/IND-361 and ARC-242/IND-242	3
	Total				**18**
Semester 7	GED	199	UAE Society		3
	ENT	141	Fundamentals in Innovation and Entrepreneurship 1	None	2
	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				**17**
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-461, 342, 344 & 272	6
	ENT	142	Fundamentals in Innovation and Entrepreneurship 2	ENT-141	1
		xxx	Major Elective (2)		**3**
	Total				**16**
Semester 9	ENT	241	Entrepreneurship I	ENT-142	2
	ARC	561	Design Studio (Institutional)	ARC-462 & 342	6
	ARC	541	Construction Economics	ARC-451	3
	ARC	521	Research & Design Explorations	ARC-441 & ARC-321	3
	Total				**14**

Semester	Course Code		Subject Title	Pre-requisite/ Co-requisite	Credit Hours
Semester 10	GED	196	Communication Skills in Arabic 1	None	3
	GED	198E	Islamic Culture		3
	ARC	562	Senior Project - Design (Studio)	ARC- 561, ARC-521, ARC-432, ARC-541, ARC-344 & DES-351	6
	ENT	242	Entrepreneurship II	ENT-241	1
			Major Elective (3)		3
	Total				16
	DES	351	**Internship**	90 Cr.H. ID & CGPA ^{3}2 120 Cr.H. ARCH & CGPA ^{3}2	3
Total					170