



**Sur University College**

**Engineering Dep.**

# **Architectural Study Plan**

Engineering study plan

Architectural Program

**Bachelors in Architectural Engineering - Study Plan**

**Foundation Program Requirements Non-Credit Courses (0 Credit Hours):**

No.	Course Code	Course Name	Prerequisite	Credit Hours
1	000111	English Preparation I	None	0
2	000112	Basics of Mathematics	None	0
3	000113	Comp Information & Management I	None	0
4	000121	English Preparation II	000111 English Preparation I	0
5	000122	Pure Mathematics	000112 Principles of Mathematics	0
6	000123	Comp Information & Management II	000113 Comp Information & Management I	0

**College Requirements (12 credit hours):**

No.	Course Code	Course Name	Prerequisite	Credit Hours
1	919111	Technical Writing	000121 English Preparation II	3
2	190112	Scientific Thinking	None	3
3	999122	Oman Society and Culture	None	3
4	803224	Entrepreneurship	None	3

**College Elective (3 credit hours):**

Only one course (3 Credit Hours) must be selected from the group of College Elective courses:

No.	Course Code	Course Name	Prerequisite	Credit Hours
5	903231	Arab Society	None	3
	or			
	903233	World History Art Survey		3
	or			
	911331	Modern and Contemporary Art		3

**Department Requirements (DR) (21 Credit Hours):**

No.	Course Code	Course Name	Prerequisite	Credit Hours
1	101131	Calculus I	000122 Pure Mathematics	3
2	201123	Fundamentals of Computer Science	000123 Comp Information & Management II	3
3	103113	Classical Mechanics, Sound and Heat	101131 Calculus I (103114 General Physics Laboratory I Conc.)	3
4	103114	General Physics Laboratory I	(103113 Classical Mechanics, Sound and Heat Conc.)	1
5	301116	Descriptive Geometry and Engineering Drawing	None	2
6	105115	General Chemistry I	None	3
7	300123	Engineering Mechanics I (Statics)	103113 Classical Mechanics, Sound and Heat	3
8	300214	Engineering Economy	101131 Calculus I	3

**Program Requirements (PR) (110 Credit Hours):**

No.	Course Code	Course Name	Prerequisite	Credit Hours
1	401113	Human Aspects in Architectural Design	None	3
2	401114	History of Architecture	None	3
3	403125	Building Construction and Methods	None	3
4	301132	Architectural Drawing Skills	301116 Descriptive Geometry and Engineering Drawing	2
5	401121	Theories of Modern Architecture	401114 History of Architecture	3
6	401217	Digital Representation for Arch	301132 Architectural Drawing Skills	2
7	403212	Structural Analysis for Architects	300123 Engineering Mechanics I (Statics)	3
8	403213	Building Finishes & Details	403125 Building Construction and Methods	3
9	401213	Env Control Syst & Sus Design	103113 Classical Mechanics, Sound and Heat	4
10	401222	Found of 3-Dim. Design Studio	None	2
11	401225	Structural Design for Architects I	403212 Structural Analysis for Architects	3
12	401227	Housing & GIS	401124 Arch Design Studio 1 (Behavior)	4
13	403226	Building Services / Integration	401213 Env Control Syst & Sus Design	3
14	401315	Urban Planning	401227 Housing & GIS	3
15	401316	Advanced CAD & Workshop	401217 Digital Representation for Arch	3
16	407313	Strength and Mechanics Construction Materials	300123 Engineering Mechanics I (Statics)	4

17	401124	Arch Design Studio 1 (Behavior)	401113 Human Aspects in Architectural Design	6
18	401214	Arch Design Studio 2 (Form)	401124 Arch Design Studio 1 (Behavior) 401112 Found of 3-Dim. Design Studio 401121 Theories of Modern Architecture	6
19	401224	Arch Design Studio 3 (Sustainable)	401214 Arch Design Studio 2 (Form) 401213 Env Control Syst & Sus Design	6
20	401314	Arch Design Studio 4 (Structure)	401224 Arch Design Studio 3 (Sustainable) 401225 Structural Design for Architects I	6
21	401321	Arch. Design Studio 5 (High-Tech)	401314 Arch Design Studio 4 (Structure) 401316 Advanced CAD & Workshop	6
22	401412	Arch. Design Studio 6 (Context)	401321 Arch. Design Studio 5 (High-Tech) 901324 Islamic Art & Architecture	6
23	401322	Urban & Landscape Design	401227 Housing & GIS	3
24	403323	Design Develop & Const Documents	403213 Building Finishes & Details	3
25	901324	Islamic Art & Architecture	None	3
26	300414	Introduction to Management & Cost Estimation	300214 Engineering Economy	3
27	401423	Design of Interior Spaces	401217 Digital Representation for Arch	3
28	401425	Prof Pract. Design Manag. & Codes	300414 Introduction to Management & Cost Estimation	2
29	401331	Internship in Construction Project	403323 Design Develop & Const Documents	0
30	401332	Internship in Technical Drawing and Design	403323 Design Develop & Const Documents	0
31	401419	Senior Project 1	401321 Arch. Design Studio 5 (High-Tech) 401412 Arch. Design Studio 6 (Context) Conc.)	3
32	401429	Senior Project 2	401419 Senior Project 1 401412 Arch. Design Studio 6 (Context)	6

**Architectural Elective Courses (6 Credit Hours):**

Two courses (6 Credit Hours) must be selected from the group of Arch. Elective courses:

No.	Course Code	Course Name	Prerequisite	Credit Hours
1	403231	Structural Design for Architects II	401225 Structural Design for Architects I	3
2	401311	Selected Topics in Architectural Engineering	401314 Arch Design Studio 4 (Structure)	3
3	300424	Const. Projects, Specifications, Bids & Contracts	401314 Arch Design Studio 4 (Structure)	3
4	403233	Tall Buildings & Large Span Structures	401225 Structural Design for Architects I	3