

# Curriculum of Bachelor of ARCHITECTURE (BA) -NEW

=====YU-COEA A.Y.2023 August 9<sup>th</sup> V6 160 CR=====



## FIRST YEAR (Freshmen)

First Semester				Second Semester			
Code	Course Title	CR	Pre-Requisite	Code	Course Title	CR	Pre-Requisite
ARCH 101	Basic Design Studio I	3	ORN 03R ORN 03C Co-requisite: ARCH102	ARCH 111	Basic Design Studio II	3	ARCH 101, ARCH 102, Co-requisite: ARCH112
ARCH 102	Architectural Drawing I	3	ORN 03R ORN 03C Co-requisite: ARCH102	ARCH 112	Architectural Drawing II	3	ARCH102 ARCH101 Co-requisite: ARCH111
MTH 101	General Calculus	3	ORN 03R ORN 03C	ARCH 113	Computer-Aided Design I	2	ARCH102
XXX XXX	Social \ Humanities Elect.	3	ORN 04R ORN 04C	XXX XXX	Social \ Humanities Elect.	3	ORN 04R ORN 04C
ENG 101	English Essay Writing I	3	ORN 05R ORN 05C	PHY 103	Physics I	4	ORN 04R ORN 04C
ISL 101	Foundation of Islamic Culture	2	ORN 03R ORN 03C	ENG 201	Technical Report Writing	3	ENG 101
<b>Sub-Total</b>		<b>17</b>		<b>Sub-Total</b>		<b>18</b>	

## SECOND YEAR (Sophomore I)

First Semester				Second Semester			
Code	Course Title	CR	Pre-Requisite	Code	Course Title	CR	Pre-Requisite
ARCH 201	Architectural Design I	5	ARCH111	ARCH 211	Architectural Design II	5	ARCH 201
ARCH 202	History of Architecture	3	ARCH111	ARCH 212	Theory of Architecture	3	ARCH 202
ARCH 203	Computer-Aided Design II	2	ARCH 113	ARCH 213	Introduction to Environmental control	3	ARCH 201
ARCH 204	Building Construction I	3	ARCH 112	ARCH 214	Building Materials and Components	2	ARCH 204
MEC 103	Engineering Mechanics	3	PHY 103	ISL 201	Foundation of Islamic Economy	2	ORN 03R ORN 03C
ARB 102	Communication Skill in Arabic	2	ORN 03R ORN 03C	ARB 202	Writing Skills in Arabic	2	ORN 03R ORN 03C
<b>Sub-Total</b>		<b>18</b>		<b>Sub-Total</b>		<b>17</b>	

## THIRD YEAR (Sophomore II)

First Semester				Second Semester			
Code	Course Title	CR	Pre-Requisite	Code	Course Title	CR	Pre-Requisite
ARCH 301	Architectural Design III	5	ARCH 211 ORN 05R ORN 05C ARCH 203	ARCH 311	Architectural Design IV	5	ARCH 301
ARCH 302	Building Construction II	3	ARCH 214	ARCH 312	Urban Planning & Design	3	ARCH 303
ARCH 303	Landscape and Site Planning	3	ARCH 211	ARCH 313	Contemporary Issues in Architecture	2	ARCH 212
ARCH 304	Structure I	3	ARCH 211 MEC103	ARCH 314	Structure II	3	ARCH 304
ARCH 305	Islamic Architecture	2	ARCH 212	ARCH 315	Technical Installations	3	ARCH 302
<b>Sub-Total</b>		<b>16</b>		<b>Sub-Total</b>		<b>16</b>	

## FOURTH YEAR (Junior)

First Semester				Second Semester			
Code	Course Title	CR	Pre-Requisite	Code	Course Title	CR	Pre-Requisite
ARCH 401	Architectural Design V	5	ARCH 311	ARCH 411	Architectural Design VI	5	ARCH 401

ARCH 402	Working Drawings	3	ARCH 311 ARCH 302	ARCH 412	Contract Documents	3	ARCH 402
ARCH 403	Lighting and Acoustics	3	ARCH 315	ARCH 413	Engineering Project Management	3	ARCH 401
ARCH 404	Housing and Human settlements	2	ARCH 312	ARCH xxx	Program Elective II	2	ARCH 311
ARCH 405	Humanities in Architecture	2	ARCH 311	CSK 001	Career Skills	0	
ARCH xxx	Program Elective I	2	ARCH 311				
<b>Sub-Total</b>		<b>17</b>				<b>13</b>	

### FIFTH YEAR (Senior)

First Semester				Second Semester			
Code	Course Title	CR	Pre-Requisite	Code	Course Title	CR	Pre-Requisite
ARCH 501	Architectural Design VII	5	ARCH 411	ARCH 511	Graduation Project	6	ARCH 501 ARCH 503
ARCH 502	Professional Practice I	2	ARCH 411	ARCH 512	Professional Practice II	2	ARCH 502
ARCH 503	Graduation Project Research and Programming	3	ARCH 411	ARCH xxx	Program Elective IV	2	ARCH 311
ARCH xxx	Program Elective III	2	ARCH 311				
<b>Sub-Total</b>		<b>12</b>				<b>10</b>	

**Co-op: Students are eligible for the co-op after completing 90 CR. of the program**

ARCH	316	Co-op	6
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### Pool of Electives:

Level	Field	Code	Courses	CR	(LT, LB)	Prerequisite
University Elective	Humanities	FRE 106	Conversational French 1	3	(3,0)	ORN 04C ORN 04R
		SOS 101	Saudi Heritage	3	(3,0)	ORN 04C ORN 04R
		CHY 107	Chinese Language	3	(3,0)	ORN 04C ORN 04R
	Social	SOS 102	Introduction to Social Science	3	(3,0)	ORN 04C ORN 04R
		PHL 101	Critical Thinking	3	(3,0)	ORN 04C ORN 04R
		PSY 101	Principle of Psychology	3	(3,0)	ORN 04C ORN 04R
Program Elective	Digital 2D and 3d Communication	ARCH 421	Advanced 3D Modelling and Animation	2	(2,0)	ARC 311
		ARCH 422	Advanced Graphical Communication	2	(2,0)	ARC 311
		ARCH 423	Parametric Design	2	(2,0)	ARC 311
	Sustainable Architecture	ARCH 431	Sustainability in the Built Environment	2	(2,0)	ARC 311
		ARCH 432	Advanced Lighting Techniques	2	(2,0)	ARC 311
		ARCH 433	Building Energy Conservation & management	2	(2,0)	ARC 311
	Interior Design	ARCH 441	Interior Design	2	(2,0)	ARC 311
		ARCH 442	Furniture Design & Internal Treatments	2	(2,0)	ARC 311
	Other	ARCH 451	Hospital Design	2	(2,0)	ARC 311
		ARCH 452	Design for Special Needs	2	(2,0)	ARC 311
		ARCH 453	Building Design: Form and Structure	2	(2,0)	ARC 311
		ARCH 454	Building Economics for Architects	2	(2,0)	ARC 311
		ARCH 455	Architectural Preservation	2	(2,0)	ARC 311
		ARCH 456	Vernacular Architecture	2	(2,0)	ARC 311
ARCH 457		Contemporary Issues in Urban Design	2	(2,0)	ARC 311	
ARCH 458		Contemporary Construction Techniques	2	(2,0)	ARC 311	