

College of Architecture and Design

Five-Year Study Plan* for Bachelor of Science in Architecture Degree



FIRST YEAR* (31 CREDIT HOURS)											
FALL SEMESTER					SPRING SEMESTER						
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
COMM 1311	Written Communication	3	3	0	PRPC/PRPW/PREE 0061 or equivalent	ELECTIVE	Social Science Elective* I	3	3	0	N/A
UNIV 1211	Professional Development and Competencies	2	2	0	PRPC/PRPW/PREE 0061 or equivalent	ALIS 1211	Introduction to Islamic Culture	2	2	0	PRPC/PRPW/PREE 0061 or equivalent
MATH 1422	Calculus I	4	3	1	PRPM 0022	COMM 1312	Writing and Research	3	3	0	COMM 1311
COAD 1311	Design Studio I - Fundamentals	3	1	4	PRPM 0022* (C) COAD 1312	UNIV 1212	Critical Thinking & Problem Solving	2	2	0	UNIV 1211
COAD 1312	Hand Drawing and Rendering Techniques	3	1	4	(C) COAD 1311	COAD 1313	Design Studio II - Fundamentals	3	1	4	COAD 1311 COAD 1312
						COAD 1314	Construction Documents and Detail Drawings	3	1	4	COAD 1311 (C) COAD 1313
TOTAL		15	10	9		TOTAL		16	12	8	

SECOND YEAR* (35 CREDIT HOURS)											
FALL SEMESTER					SPRING SEMESTER						
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
MATH 1423	Calculus II	4	3	1	MATH 1422	UNIV 1213	Leadership and Teamwork	2	2	0	UNIV 1212
ASSE 2111	Learning Outcome Assessment I	1	1	1	2nd Year Level	COMM 2311	Oral Communication	3	3	0	COMM 1312
COAD 2333	Environmental Psychology for Design	3	3	0	COAD 1313	PHYS 1421	Physics for Engineers I	4	3	3	PRPM 0022
ARCH 2341	Principles of Design with Climate	3	3	0	(C) ARCH 2421	ARCH 2342	Materials and Methods	3	2	2	(C) ARCH 2422
ARCH 2421	Design Studio III - Architectural Design	4	1	6	COAD 1313 (C) COAD 2333 (C) COAD 2251	ARCH 2422	Design Studio IV - Integrated Architectural Design	4	1	6	ARCH 2421 (C) COAD 2252 (C) ARCH 2342
COAD 2251	Digital Design I: 2D	2	1	3	COAD 1314	COAD 2252	Digital Design II: 3D	2	1	3	COAD 2251
TOTAL		17	12	11		TOTAL		18	12	14	

THIRD YEAR* (32 CREDIT HOURS)											
FALL SEMESTER					SPRING SEMESTER						
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
COMM 2312	Technical and Professional Communications	3	3	0	COMM 2311	ALIS 1212	The Social System in Islam	2	2	0	ALIS 1211
ASSE 3211	Learning Outcome Assessment II	2	2	0	ASSE 2111 & 3rd Year Level	ARCH 3343	Principles of Structural Systems	3	3	0	ARCH 2342
COAD 3341	Built World Design History and Theory I	3	3	0	COAD 2333	COAD 3342	Built World Design History and Theory II	3	3	0	COAD 3341
COAD 3353	Digital Design III: BIM	3	1	4	COAD 2252	COAD 3322	Building Codes and Universal Design	3	3	0	ARCH 2342
ARCH 3523	Design Studio V - Architectural Design	5	1	8	ARCH 2422 (C) COAD 3353	ARCH 3524	Design Studio VI - Integrated Architectural Design	5	1	8	ARCH 3523 (C) COAD 3342
TOTAL		16	10	12		TOTAL		16	12	8	

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FOURTH YEAR* (34 CREDIT HOURS)											
FALL SEMESTER						SPRING SEMESTER					
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
PHED 1111	Active Living Lifestyle	1	1	0	PRPC/PRPW/PREE 0061 or its equivalent	ARCH 4361	Preparing the Project Brief	3	3	0	UNIV 1213 COAD 2333
ARCH 4344	Introduction to Environmental Systems	3	3	0	ARCH 2341	ARCH 4362	Construction Process and Building Economics	3	3	0	ARCH 3343
ARCH 4354	Simulation and Optimization	3	2	2	MATH 1423 COAD 3353 ARCH 3343	ARCH 4345	Architectural Structures	3	3	0	MATH 1423 COAD 4354 ARCH 4526
ARCH or COAD 43XX	Professional Electives I**	3	Varies	Varies	Varies	ARCH 4346	Integrated Environmental Systems	3	3	0	ARCH 4344 (C) ARCH 4526
ARCH 4525	Design Studio VII - Architectural Design	5	1	8	ARCH 3524 COAD 3322	ARCH 4526	Design Studio VIII - Integrated Architectural Design	5	1	8	ARCH4525 ARCH4345 ARCH 4346
TOTAL		15	9+	10+		TOTAL		17	13	8	

SUMMER OF FOURTH YEAR (3 CREDIT HOURS)				
Course Number	Course Title	Credit Hours		Pre-Requisite / Co-Requisite
ARCH 4365	Internship	3	8 weeks (320 hours) full time	Completion of 120 credit hours and department approval (summer before graduation)

FIFTH YEAR* (28 CREDIT HOURS)											
FALL SEMESTER						SPRING SEMESTER					
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
ALIS 2211	Linguistic Communication Skills/ Ethical Social System in Islam	2	2	0	ALIS 1212	ALIS 2212	The Biography of Prophet Mohammad	2	2	0	ALIS 2211
ELECTIVE	Social Science Elective* II	3	3	0	N/A	PHED 1112	Healthy Behaviors and Management	1	1	0	PHED 1111
CHEM 1411	Introductory Chemistry	4	3	3	PRPM 0022	ARCH 5363	Professional Practice and Ethics	3	3	0	ARCH 4526
ARCH 53XX	Professional Electives II**	3	Varies	Varies	Varies	ARCH 53XX	Professional Electives III**	3	Varies	Varies	Varies
ARCH 5327	Design Studio IX - Capstone Project Programming	3	1	4	ARCH 4365 ARCH 4526	ARCH 5628	Design Studio IX - Architectural Capstone Project	6	1	10	ARCH 5327
TOTAL		15	7+	7+		TOTAL		15	7+	10+	

ARCHITECTURAL PROGRAM TOTAL DEGREE CREDIT HOURS = 163

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SOCIAL SCIENCE ELECTIVES* = 1 Courses Required (3 Credit Hours)											
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
FREN 1311	Introduction to French Language	3	3	0		PSYC 1311	Introduction to Psychology	3	3	0	
FURS 1311	Introduction to Futures Skills	3	3	0		SERV 1311	Introduction to Service Learning and Volunteering	3	3	0	
FUTR 1311	Introduction to Futures Studies	3	3	0		SPAN 1311	Introduction to Spanish Language	3	3	0	
GEGR 1311	World Regional Geography	3	3	0		SUST 1311	Introduction to Sustainability	3	3	0	
HIST 1311	World Civilizations	3	3	0		SYST 1311	Introduction to Systems Thinking	3	3	0	

PROFESSIONAL ELECTIVES** = 3 Courses Required (9 Credit Hours)											
Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-Requisite
			Lecture	Studio					Lecture	Studio	
COAD 4333	History of Islamic Design	3	3	0	COAD 3342	ARCH 5373	Sustainable Housing and GeoDesign	3	2	2	ARCH 3524
COAD 4351	Built World Photography	3	2	2	COAD 3342	ARCH 5374	Advanced Design Visualization	3	2	2	COAD 3353
ARCH 4371	Contemporary Materials in Architecture and Design	3	3	0	ARCH 2342	ARCH 5375	Computational Modeling and Simulation	3	2	2	ARCH 4354 ARCH 4326
ARCH 5372	Building Energy Use Modeling and Simulation	3	2	2	ARCH 4354 ARCH 4346						

NOTES:

- * Completion of PRPM 0022 Pre-Calculus is required before entry into Architecture Program.
- * This Program of Study applies to ONLY full-time students. Minimum of 12 credit hours constitutes full time status.
- * Student GPA determines maximum semester course load as per department advisement criteria.
- * ARCH major courses offered only in the semester shown on this plan. Other timings are not guaranteed.
- * ARCH major summer course offerings are not guaranteed.
- * Internship experience may not combined with any courses.

Chair Signature

Dr. Chuloh Jung

COAD Dean Signature

Dr. Jamal Nayfeh

CORE Dean Signature

Dr. Mohammad Ashraf