

College of Architecture, Art and Design

Bachelor of Architecture

Alignment of AU Institutional Learning Outcomes and Architecture Program Educational Objectives

No	Institution Learning Outcomes		Program Goals		
			Goal 1	Goal 2	Goal 3
			To equip students with design abilities from theoretical knowledge and practical skills to meet the requirements of architectural profession.	To equip students with technical skills and their applications to solving design problems.	To equip students with ethical and professional knowledge to meet local needs and adequately compete within the local and international professional environments.
1	Knowledge & Skills	Apply discipline-specific knowledge and skills in their professional life	*		
2	Critical Thinking	Investigate an issue by collecting and analyzing evidences and draw logical conclusions	*		
3	Communication	Communicate effectively both orally and in writing		*	*
4	Information Proficiency	Acquire information from various sources, evaluate it appropriately, and use it effectively.	*	*	
5	Computation & Quantitative Reasoning	Apply quantitative techniques to analyze data, interpret it, and draw reasonable conclusions		*	*
6	Teamwork	Work collaboratively with others to collectively achieve results	*	*	*
7	Innovation	Relate the value of innovation to one's professional life and to overall development of society.		*	
8	Social Responsibility	Recognize the importance of social responsibility and its impact on society	*		*

Program learning outcomes

No.	PLOs	Architecture Program Learning Outcomes
Knowledge		
K1	PLO1	Recognize historical aspects, diverse trends and the fundamentals related to architecture and/or urban design.
K2	PLO2	Comprehend the influence of social, cultural and environmental sustainability on architectural design.
K3	PLO3	Use the principles of science, mathematics and technology that are relevant to the field of architecture.
K4	PLO4	Comprehend the knowledge of architectural practice and management.
Skills		
S1	PLO5	Develop and coordinate architectural designs that address contemporary challenges and issues in the built environment.
S2	PLO6	Effectively Communicate orally, in writing and graphically utilizing cutting-edge digital technologies with diverse audiences.
S3	PLO7	Create architectural designs and construction documents, including construction details, that take into consideration construction technologies, structural systems, mechanical, electrical, and plumbing (MEP) systems, lighting, and digital technologies.
Competencies Autonomy and responsibility		
C1	PLO8	Conduct experiments, analyze and interpret data using judgment in the development of architectural design.
Role in context		
C2	PLO9	Demonstrate effective team work and leadership skills through establishing goals, planning tasks to meet objectives.
C3	PLO10	Demonstrate professionalism and ethical responsibility
Self-development		
C4	PLO11	Gain and utilize new knowledge as needed, using appropriate learning strategies.

Program Learning Outcomes mapped to Course Learning Outcomes

No.	Course ID	Course Name	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO 9	PLO 10	PLO 11
			K1	K2	K3	K4	S1	S2	S3	C1	C2	C3	C4
1	ARC110	INTRODUCTION TO DESIGN	X										
2	ARC115	SKETCHING & PERSPECTIVE	X					X					
3	ARC117	ARCHITECTURAL & INTERIOR GRAPHICS	X		X			X					
4	ARC110	ARCHITECTURAL DESIGN I	X	X			X				X		
5	ARC121	HISTORY OF ARCHITECTURE	X	X									
6	ARC152	COMPUTER AIDED ARCHITECTURAL DESIGN			X			X					
7	ARC170	INTRODUCTION TO ARCHITECTURAL SCIENCE	X	X	X					X			
8	ARC210	ARCHITECTURAL DESIGN II	X	X			X	X			X		
9	ARC220	ARCHITECTURAL DESIGN III		X			X	X			X		
10	ARC234	BUILDING CONSTRUCTION			X				X				
11	ARC235	ADVANCED BUILDING TECHNOLOGY			X				X				X
12	ARC241	SURVEYING FOR ARCHITECTS			X	X			X	X			
13	ARC253	BUILDING INFORMATION MODELING (BIM)			X			X			X		
14	ARC271	BEHAVIOR & BUILT ENVIRONMENT	X	X							X		
15	ARC310	ARCHITECTURAL DESIGN IV		X			X	X	X				
16	ARC320	ARCHITECTURAL DESIGN V		X			X	X	X				
17	ARC321	MODERN & CONTEMPORARY ARCHITECTURE	X	X									
18	ARC334	WORKING DRAWINGS & CONSTRUCTION DETAILS				X		X	X		X	X	X
19	ARC343	STRUCTURAL ANALYSIS			X		X		X	X			
20	ARC344	STRUCTURAL DESIGN			X		X		X	X		X	
21	ARC351	GENERATIVE/PARAMETRIC DESIGN			X			X					
22	ARC363	LANDSCAPE ARCHITECTURE	X	X			X			X	X		
23	ARC364	HOUSING DESIGN & THEORY	X	X	X		X	X			X		
24	ARC373	SUSTAINABLE ARCHITECTURE		X			X			X			X
25	ARC375	ACTIVE THERMAL & ENVIRONMENTAL CONTROL		X	X		X		X	X			X
26	ARC410	ARCHITECTURAL DESIGN VI		X			X	X	X		X		
27	ARC420	URBAN DESIGN	X	X			X	X			X		
28	ARC422	HERITAGE CONSERVATION	X	X		X	X			X	X	X	
29	ARC433	BUILDING SERVICES			X	X	X		X		X		
30	ARC461	URBAN PLANNING	X	X				X		X	X		
31	ARC472	LIGHTING & ACOUSTICS IN ARCHITECTURE		X	X		X		X	X			
32	ARC510	GRADUATION Project I		X		X	X	X	X	X	X		X
33	ARC520	GRADUATION Project II		X		X	X	X	X	X		X	X
34	ARC530	ARCH. PRACTICE & COST ESTIMATION			X	X		X		X	X	X	X
35	ARC532	PROJECT MANAGEMENT				X		X			X	X	
36	ARC536	ARCHITECTURAL TRAINING I				X	X	X	X		X	X	
37	ARC537	ARCHITECTURAL TRAINING II				X	X	X	X		X	X	
Specialized Elective Courses													
38	ARC580	SELECTED TOPICS IN ARCHITECTURE		X		X		X				X	X
39	ARC582	REAL ESTATE DEVELOPMENT			X	X		X			X	X	
40	ARC583	PHOTOGRAPHY			X			X			X		
41	ARC585	RESEARCH AND DESIGN METHODS		X	X			X		X	X	X	
42	ARC587	CONTEMPORARY ARAB ARCHITECTURE	X	X									
43	ARC590	DIGITAL ARCHITECTURE VISUALIZATION			X			X					
44	ARC591	WORKING DRAWING II				X		X	X		X	X	X
45	ARC592	INTERIOR DESIGN AND COLOURING					X	X					