

PROGRAM PLANNING GUIDE

ARCHITECTURAL TECHNOLOGY A40100

Replaces Curriculum Schedule with Revision Date: FA2024

Date Revised: FA2025

CURRICULUM BY SEMESTER

					Hours Per Week		Credits	Semesters Offered
Course No.		Course Title	Pre-Requisites	Co-Requisites	Class	Lab		
Fall Semester 1								
ACA	115	Success & Study Skills	None	None	0	2	1	FA, SP, SU
ARC	111	Introduction to Architectural Technology	None	None	1	6	3	FA, SP, SU
ARC	112	Construction Materials & Methods	None	ARC 111	3	2	4	FA, SP
ARC	114	Architectural CAD	None	ARC 114A	1	3	2	FA, SP, SU
ARC	114A	Architectural CAD Lab	None	ARC 114	0	3	1	FA, SP, SU
ARC	250	Survey of Architecture	None	None	3	0	3	FA, SU
ENG	111	Writing and Inquiry	ENG 025 (If required)	ENG 045 (If required)	3	0	3	FA, SP, SU

Spring Semester 1								
ARC 113	Residential Architectural Technology	ARC 111	ARC 112, ARC 114		1	6	3	SP, SU
ARC 212	Commercial Construction Technology	ARC 111	ARC 112		1	6	3	SP
ARC 225	Architectural BIM I	ARC 114 and ARC 114A or DFT 151	ARC 225A		1	3	2	FA, SP, SU
ARC 225A	Architectural BIM I Lab	ARC 114 and ARC 114A or DFT 151	ARC 225		0	3	1	FA, SP, SU
ARC 264	Digital Architecture	ARC 114, ARC 114A or DES 112	None		1	3	2	FA, SP
	Math Elective	See below					3	

Summer Semester 1								
HUM 110	Technology and Society	ENG 002 or ENG 025 (If required)	None		3	0	3	FA, SP, SU

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Fall Semester 2								
ARC	131	Building Codes	ARC 112	None	2	2	3	FA
ARC	132	Specifications & Contracts	ARC 112, ARC 113	None	2	0	2	FA
ARC	211	Light Construction Technology	ARC 111, ARC 113, ARC 114, ARC 212	ARC 112, ARC 225	1	6	3	FA
ARC	230	Environmental Systems	ARC 111, ARC-112, ARC 114 AND MAT 121 OR MAT 171	ARC 113	3	3	4	FA
ARC	240	Site Planning	ARC 111, ARC 113, ARC 114	None	2	2	3	FA, SP
		Major Elective	See below				2	

Spring Semester 2								
ARC	141	Elementary Structures for Architecture	ARC 111 and MAT 121 or ARC 111 and MAT 171	None	4	0	4	SP
ARC	213	Design Project	ARC 111, ARC 112, ARC 113, ARC 114, ARC 211	ARC 264	2	6	4	SP
SST	140	Green Building and Design Concepts	None	None	3	0	3	SP, SU
COM	231	Public Speaking	Take ENG-111 Minimum Grade C	ENG 111	3	0	3	FA, SP, SU
		Major Elective	See below				3	

Summer Semester 2								
PSY	150	General Psychology (University Transfer)	ENG 002 or ENG 025 (If required)	None	3	0	3	FA, SP, SU

Graduation Requirement Credit Hours: 71

MAJOR ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title			Class	Lab			
Major Electives		Credit Hours Needed: 5						
ARC	220	Advanced Architectural CAD	ARC 114	None	1	3	2	FA, SP
ARC	226	Architectural BIM II	ARC 212, ARC 225	ARC 226A	1	3	2	SP
ARC	226A	Architectural BIM II Lab	ARC 212, ARC 225	ARC 226	0	3	1	SP

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ARC	231	Architectural Presentations	ARC 111, ARC 112	ARC 225, ARC 225A, ARC 264	2	4	4	SP
ARC	235	Architectural Portfolio	ARC 113 or DES 230	None	2	3	3	SU
WBL	111DG	Work-Based Learning I	14 program credits hours	None	0	10	1	FA, SP, SU
WBL	112DG	Work-Based Learning I	14 program credits hours	None	0	20	2	FA, SP, SU

COMMUNICATION ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title				Class	Lab		
Major Electives		Credit Hours Needed: 3						
COM	231	Public Speaking	Take ENG-111 Minimum Grade C	ENG 111	3	0	3	FA, SP, SU

MATH ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title			Class	Lab			
Major Electives		Credit Hours Needed: 3						
MAT	121	Algebra/Trigonometry I	MAT 003, MAT 021, MAT 035, or MAT 045A (If required)	None	2	2	3	FA, SP, SU
MAT	171	Precalculus Algebra (University Transfer)	ENG 002 or ENG 025 (If required) MAT 003, MAT 035, MAT 071, or MAT 045P (If required)	None	3	2	4	FA, SP, SU