

# PROGRAM PLANNING GUIDE

## ARCHITECTURAL TECHNOLOGY A40100

Replaces Curriculum Schedule with Revision Date: FA2015

Date Revised: FA2016

### CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Fall Semester 1					
ARC	111	Introduction to Architectural Technology	1	6	3
ARC	112	Construction Materials & Methods	3	2	4
ARC	114	Architectural CAD	1	3	2
ARC	114A	Architectural CAD Lab	0	3	1
ARC	250	Survey of Architecture	3	0	3

Spring Semester 1					
ARC	113	Residential Architectural Technology	1	6	3
ARC	212	Commercial Construction Technology	1	6	3
ARC	225	Architectural BIM I	1	3	2
ARC	225A	Architectural BIM I Lab	0	3	1
ARC	264	Digital Architecture	1	3	2
MAT	121	Algebra/Trigonometry I	2	2	3

Summer Semester 1					
ENG	111	Writing and Inquiry	3	0	3
HUM	115	Critical Thinking	3	0	3

Fall Semester 2					
ARC	131	Building Codes	2	2	3
ARC	132	Specifications & Contracts	2	0	2
ARC	211	Light Construction Technology	1	6	3
ARC	220	Advanced Architectural CAD	1	3	2
ARC	230	Environmental Systems	3	3	4
ARC	240	Site Planning	2	2	3

Spring Semester 2					
ARC	141	Elementary Structures for Architecture	4	0	4
ARC	213	Design Project	2	6	4
ENG	114	Professional Research & Reporting	3	0	3
SST	140	Green Building and Design Concepts	3	0	3
		Major Electives (from 1 of 4 tracks)			5

Summer Semester 2					
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PSY	150	General Psychology	3	0	3
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Graduation Requirement Credit Hours: 72

## PROGRAM PLANNING GUIDE

### MAJOR ELECTIVES

Choose a minimum of 5 credit hours from a selected curriculum track - Architectural CAD, Architectural Building Information Modeling (BIM), Landscape, Architectural and Landscape Illustration, or Architectural Sustainability.

Architectural Building Information Modeling (BIM) Electives Track				Hours Per Week		
Course No.		Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	5			
ARC	226	Architectural BIM II		1	3	2
ARC	226A	Architectural BIM II Lab		0	3	1
CIV	125	Civil/Surveying CAD		1	6	3
CIV	230	Construction Estimating		2	3	3
WBL	111	Work-Based Learning I		0	10	1
WBL	112	Work-Based Learning I		0	20	2
WBL	113	Work-Based Learning I		0	30	3

Landscape Technology Electives Track				Hours Per Week		
Course No.		Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	5			
HOR	112	Landscape Design I		2	3	3
HOR	114	Landscape Construction		2	2	3
HOR	160	Plant Materials I		2	2	3
HOR	161	Plant Materials II		2	2	3
HOR	162	Applied Plant Science		2	2	3
LAR	111	Intro to Landscape Arch Tech		1	6	3
LAR	113	Residential Landscape Design		1	6	3
LAR	120	Sustainable Development		2	2	3
LAR	211	Commercial Site Design		1	6	3
LAR	230	Principles of Exterior Planting		3	3	4
LAR	231	Principles of Interior Planting		2	3	3
LAR	241	Advanced Site Planning		2	3	3
LAR	242	Planning & Environment		2	2	3
LAR	250	Survey of LAR		3	0	3
WBL	111	Work-Based Learning I		0	10	1
WBL	112	Work-Based Learning I		0	20	2
WBL	113	Work-Based Learning I		0	30	3

Architectural and Landscape Illustration Electives Track				Hours Per Week		
Course No.		Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	5			
ARC	231	Arch Presentations		2	4	4
ARC	235	Architectural Portfolio		2	3	3
LAR	111	Intro to Landscape Arch Tech		1	6	3
LAR	235	Landscape Arch Presentation Techniques		2	3	3

## PROGRAM PLANNING GUIDE

WBL	111	Work-Based Learning I	0	10	1
WBL	112	Work-Based Learning I	0	20	2
WBL	113	Work-Based Learning I	0	30	3

Architectural Sustainability Electives Track			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	5		
ARC	261	Solar Technology	1	2	2
LAR	120	Sustainable Development	2	2	3
WBL	111	Work-Based Learning I	0	10	1
WBL	112	Work-Based Learning I	0	20	2
WBL	113	Work-Based Learning I	0	30	3

Certificates are available for Architectural CAD (C40100A), Building Information Modeling (C40100B), Architectural Planning Design (C40100C), Landscape Design (C40100F), Architectural and Landscape Illustration (C40100D), and Plant Identification (C40100G). The Architectural CAD Certificate is automatically completed by completing the first year of the AAS. Selecting electives from a specific