



Architectural Design and Construction Technology

Associate in Science | Code: 26034 | 66 credits

CIP (1604090100)

Effective Term: Fall 2024 (2247)

The Architectural Design and Construction Technology program offers courses that enable the student to translate the design and systems of the architect into graphic and written form and assists the professional in rendering architectural services. The attainment of these skills qualifies the student for several specialties, such as, architectural drafting, cost estimating, material selecting, specification writing and preparing presentations, drawings & models.

GENERAL EDUCATION REQUIREMENTS (15.00 Credits)

Communications (3.00 credits)

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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Humanities (3.00 credits)

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Introduction to Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	
THE 2000	Theatre Appreciation	(3 credits)	

Mathematics (3.00 credits)

MAC 1105	College Algebra	(3 credits)	Prerequisite: MAT 1033*
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*Note: Students must seek advisement for proper mathematics course from discipline chairperson.

Natural Science (3.00 credits)

AST 1002	Descriptive Astronomy	(3 credits)	
BSC 1005	General Education Biology	(3 credits)	
CHM 1020	General Education Chemistry	(3 credits)	
ESC 1000	General Education Earth Science	(3 credits)	
EVR 1001	Introduction to Environmental Science	(3 credits)	
GLY 1010	Physical Geology	(3 credits)	
OCE 1001	Introduction to Oceanography	(3 credits)	
PHY 1020	General Education Physics	(3 credits)	
PHY 2053	Physics (without Calculus) 1	(3 credits)	Prerequisite: MAC 1114 or MAC 1147; Corequisite: PHY 2053L

Social Science (3.00 credits)

AMH 2010	History of the US to 1877	(3 credits)	
AMH 2020	History of the US Since 1877	(3 credits)	
POS 2041	American Federal Government	(3 credits)	

COMPUTER COMPETENCY

Test type(s) needed:

Computer Competency Test (CCT)

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CGS 1060C Introduction to Computer Technology & Applications

MAJOR COURSE REQUIREMENTS (43.00 Credits)

ARC 1115	Architectural Communications 1	(2 credits)	
ARC 1126C	Architectural Drawing 1	(4 credits)	

ARC 1128	Architectural Drawing 2	(4 credits)	Prerequisite: ARC 1126C
ARC 1301	Architectural Design 1	(4 credits)	Pre/Corequisite: ARC 1115
ARC 2053	Architectural Computer Applications	(4 credits)	
ARC 2056	Computer Aided Architectural Presentation	(4 credits)	
ARC 2171	Computer Aided Drafting 1	(4 credits)	Prerequisite: ARC 1126C or ARC 2461
ARC 2172	Computer Aided Drafting 2	(4 credits)	Prerequisite: ARC 2171
ARC 2461	Architectural Materials and Construction 1	(4 credits)	Prerequisite: ARC 1126C or BCN 1251
ARC 2681	Environmental Technology	(3 credits)	Prerequisite: ARC 1126C
ARC 2701	History of Architecture 1	(3 credits)	
BCT 2760	Building Code Regulations	(3 credits)	

PROGRAM COURSE ELECTIVE (8.00 Credits)

ARC*			
BCN*			
BCT*			
CGS 1060C	Introduction to Computer Technology and Applications	(4 credits)	