



Architectural & Engineering Design
 Associate in Applied Science
 Four-Semester Pathway - Academic Year 2019-2020

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
	Mathematics Elective (100-level or higher)		MATH-030		3 4	
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
AEDD-100	Print Reading		MATH-030		3	
AEDD-105	CAD Graphics		MATH-030		3	
	AEDD Elective	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
Semester 2						
AEDD-160	CAD Applications		AEDD-105		3	
	Social Science Elective		See course prerequisites	See course corequisites	3	
Parametric Modeling Elective	AEDD-170 Parametric Solid Modeling OR AEDD-220 Architectural BIM	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
	AEDD Elective	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
	Physics elective with lab	PHYS-150 College Physics I & Lab	See course prerequisites	See course corequisites	4	
Semester 3						
AEDD-210	AutoCAD-3D		AEDD-160		3	
	AEDD Elective	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
	Technical Elective		See course prerequisites	See course corequisites	3	
AEDD-205	Technical Illustration		AEDD-100 or AEDD-105		3	
ENGL-115	Introduction to Literature		ENGL-100		3	
Semester 4						
AEDD-255	Applied Engineering - Buildings		MATH-140 or MATH-145		3	
AEDD-260	CAD Management		AEDD-160		3	
	Technical Elective		See course prerequisites	See course corequisites	3	
	Arts and Humanities Elective	ARTA-111 History of Architecture	See course prerequisites	See course corequisites	3	
	Social Science Elective		See course prerequisites	See course corequisites	3	

AEDD Elective options include: AEDD-140 Interior Design, AEDD-216 Sustainable Design, AEDD-240 Building Systems, AEDD-265 Commercial Architecture

Architectural & Engineering Design

General Education Requirements						
COURSE CODE	COURSE TITLE	RECOMMENDED COURSE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
ENGL-115	Introduction to Literature		ENGL-100		3	
FIGS-100	Freshman Interest Group Elective				1	
	Mathematics Elective (100-level or higher)		MATH-030		3	
	Physics Elective	PHYS-150 College Physics I & Lab	MATH-140 or MATH-145		4	
	Fine Arts or Humanities Elective	ARTA-111 History of Architecture			3	
	Social Science Elective				6	
Major Required Courses						
COURSE CODE	COURSE TITLE	RECOMMENDED COURSE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD-100	Print Reading		MATH-030		3	
AEDD-105	CAD Graphics		MATH-030		3	
AEDD-160	CAD Applications		AEDD-105		3	
AEDD-205	Technical Illustration		AEDD-100 or AEDD-105		3	
AEDD-210	AutoCAD-3D		AEDD-160		3	
AEDD-255	Applied Engineering-Buildings		MATH-140 or MATH-145		3	
AEDD-260	CAD Management		AEDD-160		3	
	Architectural & Engineering Design Electives				9	
	Parametric Modeling Elective (AEDD-170 or AEDD-220)				3	
	Approved Technical Elective				6	
Architecture Suggested Courses & Order			Mechanical Design Suggested Courses & Order			
AEDD Elective 1 - AEDD-165 Basic Architecture			AEDD Elective 1 - AEDD-107 Industrial Design			
AEDD Elective 2 - AEDD-140 Interior Design			Parametric Modeling Elective - AEDD-170 Parametric Solid Modeling			
Parametric Modeling Elective - AEDD-220 Architectural BIM			AEDD Elective 2 - AEDD-250 Mechanical Design			
AEDD Elective 3 - AEDD-216 Sustainable Design			AEDD Elective 3 - AEDD-251 Mechanical Design II (when available) or select any other AEDD course not already required.			
Note: AEDD-140 and AEDD-220 may be taken concurrently should classes be offered in the same semester.						