



# Architectural & Engineering Design

## Associate in Applied Science

### Four Semester Pathway Academic Year 2025-2026

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway				1	
	Mathematics Elective (100 level or higher)	MATH 140 if taking PHYS 150	MATH 040		3	
ENGL 100	English Composition		ENGL 080		3	
AEDD 100	Print Reading		MATH 040		3	
AEDD 105	CAD Graphics		MATH 040		3	
	AEDD Elective	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
<b>Semester 2</b>						
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 100 or AEDD 105 or AEDD 110 or MACH 115		3	
	AEDD 220 Architectural BIM		AEDD 105, AEDD 165			
	AEDD Elective	See suggested electives on reverse	See course prerequisites	See course corequisites	3	
	Physics elective with lab	PHYS 150 College Physics I & Lab	MATH 140		4	
<b>Semester 3</b>						
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 OR ENGL 117	Introduction to Literature Introduction to Professional Writing		ENGL 100 or ENGL 101		3	
<b>Semester 4</b>						
AEDD 255	Applied Engineering Buildings		MATH 112 or higher		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			3	
	Social Science Elective		See course prerequisites	See course corequisites	3	
				<b>Total Credits</b>	<b>62</b>	

[Advice on Choosing Electives](#)

## Architectural & Engineering Design

<b>General Education Requirements</b>						
COURSE CODE	COURSE TITLE	RECOMMENDED COURSE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition		ENGL 080		3	
ENGL 115	Introduction to Literature		ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway				1	
	Mathematics Elective (100 level or higher)	MATH 140 if taking PHYS 150	MATH 040		3	
	Physics Elective	PHYS 150 College Physics I & Lab	MATH 140		4	
	Fine Arts or Humanities Elective	ARTA 111 History of Architecture			3	
	Social Science Elective (2 classes)				6	
<b>Major Required Courses</b>						
COURSE CODE	COURSE TITLE	RECOMMENDED COURSE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD 100	Print Reading		MATH 040		3	
AEDD 105	CAD Graphics		MATH 040		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 112 or higher		3	
AEDD 260	CAD Management		AEDD 160		3	
	Architectural & Engineering Design Electives (3 classes)				9	
Parametric Modeling Elective	AEDD 170 Parametric Solid Modeling (Mech Desi) <b>OR</b>		AEDD 100 <b>or</b> AEDD 105 <b>or</b> AEDD 110 <b>or</b> MACH 115		3	
	AEDD 220 Architechtural BIM		AEDD 105, AEDD 165			
	Approved Technical Elective (2 Classes)				6	
<b>AEDD ELEC Architecture <u>Suggested</u> Courses &amp; Order</b>			<b>AEDD ELEC Mechanical Design <u>Suggested</u> Courses &amp; Order</b>			
AEDD Elective 1 AEDD 165 Basic Architecture (CoReq: AEDD 100)			AEDD Elective 1 AEDD 107 Industrial Design			
AEDD Elective 2 AEDD 140 Interior Design			AEDD Elective 2 AEDD 250 Mechanical Design (Spring Only) Pre-Req: AEDD 100 or 105 or MACH 115			
AEDD Elective 3 AEDD 216 Sustainable Design (when available) or select any other AEDD course not already required.			AEDD Elective 3 AEDD 251 Mechanical Design II (when available) or select any other AEDD course not already required.			
<i>Note: AEDD 140 and AEDD 220 may be taken concurrently should classes be offered in the same semester.</i>						