

The Architectural Drafting Certificate provides the educational background and basic technical training necessary for the student to seek employment within one of the area architecture firms. Students will be prepared for a variety of entry level positions that include Draftsperson or Computer Aided Design Technician. Refer to your catalog for basic skills assessment required for this program.

Any student who has an interest and feels he/she can profit from the program may enroll.

Required Courses	Credits	Pre or Co Reqs Rqd	Course Availability		
			Fall	Spr	Sum
Required Courses					
• AEC 110 - Architectural Design & Modeling* (4 Cr.)	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• AEC 116 - Building Materials* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• AEC 204 - Architectural Graphics* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• AEC 206 - Applied Structure Analysis* (3 Cr.)	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CAD 101 - Computer Aided Drafting/2D I (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CAD 102 - Computer Aided Drafting/2D II (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CAD 201 - Computer Aided Drafting / Custom (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• CAD 224 - Revit Architecture (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Elective (See Notes for specific requirements)	3-4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Pre-Requisites, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

AEC 206 - Applied Structure Analysis* (3 Cr.)

- Pre-Requisite: MAT 121 - College Algebra: GT-MA1 or higher

CAD 101 - Computer Aided Drafting/2D I (3 Cr.)

- Requirement: Students must have Windows File Management skills to create file folders, rename files, delete files, copy and move files

CAD 102 - Computer Aided Drafting/2D II (3 Cr.)

- Co-Requisite: CAD 101 - Computer Aided Drafting/2D I (3 Cr.)
- Requirement: Students must have Windows File Management skills to create file folders, rename files, delete files, copy and move files

CAD 201 - Computer Aided Drafting / Custom (3 Cr.)

- Pre-Requisite: CAD 102 - Computer Aided Drafting/2D II

Program Outcomes

- Define and differentiate various building materials
- Design architectural scale and digital models
- Design digital graphics

Notes

- *This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.
- Course availability is subject to change.
- Elective: Select one (1) course from MAT 121 (recommended, MAT 122, ENG 121, GT course in Art/Humanities GT AH1-AH4, CAD course, AEC course.
- Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) for additional elective recommendations.
- Refer to 21/22 for specific requirements and important information about this certificate.

Graduation Requirements

- To graduate, students must apply for graduation (form available at www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Fall	Credits	Course
	4	AEC 110 - Architectural Design & Modeling (4 Cr.)
	3	AEC 116 - Building Materials (3 Cr.)
	3	CAD 101 - Computer Aided Drafting/2D I (3 Cr.)
	3	CAD 102 - Computer Aided Drafting/2D II (3 Cr.)
	3-4	Elective
		~Recommended Elective(s)~
		MAT 121 - College Algebra: GT-MA1* (4 Cr.)
Year 1: Spring	Credits	Course
	3	AEC 204 - Architectural Graphics (3 Cr.)
	3	AEC 206 - Applied Structure Analysis (3 Cr.)
	3	CAD 201 - Computer Aided Drafting / Custom (3 Cr.)
	3	CAD 224 - Revit Architecture (3 Cr.)

28-29 Credits
RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

Year 1: Fall	Credits	Course
	3	AEC 204 - Architectural Graphics (3 Cr.)
	3-4	Elective ~Recommended Elective(s)~ MAT 121 - College Algebra: GT-MA1* (4 Cr.)
Year 1: Spring	Credits	Course
	3	AEC 116 - Building Materials (3 Cr.)
	3	AEC 206 - Applied Structure Analysis (3 Cr.)
Year 2: Fall	Credits	Course
	4	AEC 110 - Architectural Design & Modeling (4 Cr.)
	3	CAD 101 - Computer Aided Drafting/2D I (3 Cr.)
	3	CAD 102 - Computer Aided Drafting/2D II (3 Cr.)
Year 2: Spring	Credits	Course
	3	CAD 201 - Computer Aided Drafting / Custom (3 Cr.)
	3	CAD 224 - Revit Architecture (3 Cr.)