Academic Plan - Certificate Architectural Drafting

# Catalog Year: 2020/2021

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.

# Total Credits: 28-29

# A - Required Courses

3 Credits, AEC 116 - Building Materials\*, available fall spring

3 Credits, AEC 204 - Architectural Graphics\*, available fall

3 Credits, AEC 206 - Applied Structure Analysis\*, available spring

3 Credits, CAD 101 - Computer Aided Drafting/2D I, available fall spring summer

3 Credits, CAD 102 - Computer Aided Drafting/2D II, available fall spring summer

3 Credits, CAD 201 - Computer Aided Drafting / Custom, available fall spring

3 Credits, CAD 224 - Revit Architecture, available fall spring summer

3-4 Credits, Elective (See Notes for specific requirements), available fall spring summer

4 Credits, AEC 110 - Architectural Design & Modeling\*, available fall spring

# Pre-Requisites, Co-Requisites, and Recommendations

AEC 206 - Applied Structure Analysis\*

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

CAD 101 - Computer Aided Drafting/2D I

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

CAD 102 - Computer Aided Drafting/2D II

Co-Requisite: CAD 101 - Computer Aided Drafting/2D I OR CAD 105 - AutoCAD for Interiors

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

CAD 201 - Computer Aided Drafting / Custom

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

# Notes

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.

Course availability is subject to change.

Refer to 20/21 for specific requirements and important information about this certificate.

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.

\*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.

# Graduation Requirements

To graduate, students must apply for graduation [here](http://www.arapahoe.edu/departments-and-programs/graduation) by the deadline and meet all degree requirements.

# RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

## Year 1: Fall

4 Credits, AEC 110 - Architectural Design & Modeling

3 Credits, AEC 116 - Building Materials

3 Credits, AEC 204 - Architectural Graphics

3 Credits, CAD 101 - Computer Aided Drafting/2D I

3 Credits, CAD 102 - Computer Aided Drafting/2D II

## Year 1: Spring

3 Credits, AEC 206 - Applied Structure Analysis

3 Credits, CAD 201 - Computer Aided Drafting / Custom

3 Credits, CAD 224 - Revit Architecture

3-4 Credits, Elective

* ~Recommended Elective(s)~
  + MAT 121 - College Algebra: GT-MA1\*

# RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

## Year 1: Fall

4 Credits, AEC 110 - Architectural Design & Modeling

3 Credits, AEC 116 - Building Materials

## Year 1: Spring

3 Credits, AEC 206 - Applied Structure Analysis

3-4 Credits, Elective

* ~Recommended Elective(s)~
  + MAT 121 - College Algebra: GT-MA1\*

## Year 2: Fall

3 Credits, AEC 204 - Architectural Graphics

3 Credits, CAD 101 - Computer Aided Drafting/2D I

3 Credits, CAD 102 - Computer Aided Drafting/2D II

## Year 2: Spring

3 Credits, CAD 201 - Computer Aided Drafting / Custom

3 Credits, CAD 224 - Revit Architecture