Academic Plan - Associate of Applied Science Construction Management

# Catalog Year: 2020/2021

Students completing the AAS in Construction Management degree have prepared themselves for supervisory/administrative roles within the construction/energy industry. The curriculum incorporates coursework in energy technologies, architectural principles, business, and construction technology.

# Total Credits: 63

# A - General Education Courses

3 Credits, COM 115 - Public Speaking\* OR COM 125 - Interpersonal Communication, available fall spring summer

3 Credits, ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1\*, available fall spring summer

3 Credits, MAN 226 - Principles of Management, available fall spring summer

3 Credits, MAT 108 - Technical Mathematics\*, available fall spring summer

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

# B - Major Courses

3 Credits, ACC 101 - Fundamentals of Accounting, available fall spring summer

3 Credits, AEC 107 - Print Reading Residential/Commercial\*, available fall spring

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

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

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

3 Credits, AEC 208 - Building Environmental Systems I, available spring

3 Credits, AEC 216 - Construction Estimating\*, available fall

3 Credits, AEC 220 - Surveying\*, available fall

3 Credits, AEC 226 - Construction Scheduling\*, available fall

3 Credits, AEC 228 - Contracts & The Legal Environment\*, available fall

3 Credits, AEC 236 - International Building Codes\*, available spring

3 Credits, AEC 280 - Internship, available fall spring summer

3 Credits, BUS 115 - Introduction to Business, available fall spring summer

3 Credits, BUS 216 - Legal Environment of Business, available fall spring summer

3 Credits, MAN 116 - Principles of Supervision, available fall spring

3 Credits, MAN 216 - Small Business Management, available fall spring summer

# Pre-Requisites, Co-Requisites, and Recommendations

* AEC 206 - Applied Structure Analysis\*
  + Pre-Requisite: MAT 121 - College Algebra: GT-MA1 or higher
* AEC 220 - Surveying\*
  + Pre-Requisite: MAT 108 - Technical Mathematics or Higher
* ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1\*
  + Co-Requisite: CCR 094 - Studio 121
* AEC 208 - Building Environmental Systems I
  + Pre-Requisite: AEC 116 - Building Materials\*
  + Pre-Requisite: MAT 121 - College Algebra: GT-MA1\*
  + Pre-Requisite: OR Instructor's permission

# Notes

Restricted Elective: Select one (1) course GT from ART, MUS, PHI, POS, ANT, HUM, LIT, GEO, or SPA 101 or SPA 115.

Course availability is subject to change.

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

Recommended courses are listed above for certain electives; consult with the Academic Advising Office

(advising@arapahoe.edu or 303.797.5664) or the Construction Management Department 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.

AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.

In order to meet program requirements, students registered for ENG 121 or ENG 131 must also register for CCR 094

unless they can demonstrate otherwise meeting the CCR 094 standard through assessment testing, prior college

coursework, or recent High School coursework. See an Advisor for details.

# 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

3 Credits, ACC 101 - Fundamentals of Accounting

3 Credits, AEC 107 - Print Reading Residential/Commercial

3 Credits, AEC 110 - Architectural Design & Modeling

3 Credits, BUS 115 - Introduction to Business

3 Credits, ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1

* ~Recommended English Course(s)~
  + ENG 131 - Technical Writing I: GT-CO1\*

## Year 1: Spring

3 Credits, AEC 116 - Building Materials

3 Credits, AEC 206 - Applied Structure Analysis

3 Credits, BUS 216 - Legal Environment of Business

3 Credits, MAN 226 - Principles of Management

3 Credits, MAT 108 - Technical Mathematics

## Year 2: Fall

3 Credits, AEC 216 - Construction Estimating

3 Credits, AEC 220 - Surveying

3 Credits, AEC 226 - Construction Scheduling

3 Credits, AEC 228 - Contracts & The Legal Environment

3 Credits, COM 115 - Public Speaking OR COM 125 - Interpersonal Communication

* ~Recommended Communication Course(s)~
  + COM 115 - Public Speaking\*

## Year 2: Spring

3 Credits, AEC 208 - Building Environmental Systems I

3 Credits, AEC 236 - International Building Codes

3 Credits, AEC 280 - Internship

3 Credits, MAN 116 - Principles of Supervision

3 Credits, MAN 216 - Small Business Management

3 Credits, Restricted Elective

* ~Recommended Course(s)~
  + ART 110 - Art Appreciation GT-AH1\*
  + LIT 115 - Introduction to Literature I: GT-AH2\*
  + MUS 120 - Music Appreciation: GT-AH1\*
  + PHI 112 - Ethics: GT-AH3\*
  + PHI 218 - Environmental Ethics: GT-AH3\*
  + POS 105 - Introduction to Political Science: GT-SS1\*
  + SPA 211 - Spanish Language III: GT-AH4

# RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

## Year 1: Fall

3 Credits, ACC 101 - Fundamentals of Accounting

3 Credits, AEC 107 - Print Reading Residential/Commercial

3 Credits, ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1

* ~Recommended English Course(s)~
  + ENG 131 - Technical Writing I: GT-CO1\*

## Year 1: Spring

3 Credits, AEC 116 - Building Materials

3 Credits, MAT 108 - Technical Mathematics

## Year 1: Summer

3 Credits, BUS 115 - Introduction to Business

3 Credits, MAN 226 - Principles of Management

## Year 2: Fall

3 Credits, AEC 110 - Architectural Design & Modeling

3 Credits, AEC 220 - Surveying

3 Credits, AEC 226 - Construction Scheduling

## Year 2: Spring

3 Credits, AEC 206 - Applied Structure Analysis

3 Credits, AEC 208 - Building Environmental Systems I

3 Credits, MAN 116 - Principles of Supervision

## Year 2: Summer

3 Credits, BUS 216 - Legal Environment of Business

3 Credits, COM 115 - Public Speaking OR COM 125 - Interpersonal Communication

* ~Recommended Communication Course(s)~
  + COM 115 - Public Speaking\*

## Year 3: Fall

3 Credits, AEC 216 - Construction Estimating

3 Credits, AEC 228 - Contracts & The Legal Environment

3 Credits, Restricted Elective

* ~Recommended Course(s)~
  + ART 110 - Art Appreciation GT-AH1\*
  + LIT 115 - Introduction to Literature I: GT-AH2\*
  + MUS 120 - Music Appreciation: GT-AH1\*
  + PHI 112 - Ethics: GT-AH3\*
  + PHI 218 - Environmental Ethics: GT-AH3\*
  + POS 105 - Introduction to Political Science: GT-SS1\*
  + SPA 211 - Spanish Language III: GT-AH4

## Year 3: Spring

3 Credits, AEC 236 - International Building Codes

3 Credits, AEC 280 - Internship

3 Credits, MAN 216 - Small Business Management