

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.

Required Courses	Credits	Pre or Co Reqs Rqd	Course Availability		
			Fall	Spr	Sum
General Education Courses					
• COM 115 - Public Speaking* OR COM 125 - Interpersonal Communication (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1*	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• MAN 226 - Principles of Management (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• MAT 108 - Technical Mathematics* (4 Cr.)	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• Restricted Elective (See Notes for specific requirements)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Major Courses					
• ACC 101 - Fundamentals of Accounting (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• AEC 107 - Print Reading Residential/Commercial* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• 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 206 - Applied Structure Analysis* (3 Cr.)	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• AEC 208 - Building Environmental Systems I	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• AEC 216 - Construction Estimating* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• AEC 220 - Surveying* (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• AEC 226 - Construction Scheduling* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• AEC 228 - Contracts & The Legal Environment* (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• AEC 236 - International Building Codes* (3 Cr.)	3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• AEC 280 - Internship	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• BUS 115 - Introduction to Business (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• BUS 216 - Legal Environment of Business (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• MAN 116 - Principles of Supervision (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• MAN 216 - Small Business Management (3 Cr.)	3	<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

AEC 220 - Surveying* (3 Cr.)

- Pre-Requisite: MAT 108 - Technical Mathematics or Higher

MAT 108 - Technical Mathematics* (4 Cr.)

- Co-Requisite: MAT 091 - Applied Quantitative Lab
- Pre-Requisite: MAT 050 - Quantitative Literacy (4 Cr.) OR MAT 055 - Algebraic Literacy (4 Cr.) OR appropriate score

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

Program Outcomes

- Define and differentiate various building materials.
- Locate, explain, and apply building codes.
- Demonstrate the ability to Print Read.
- Estimate building material needs.
- Understand contracts in a legal environment.

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.
- AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.
- Course availability is subject to change.
- 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.
- 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.
- Refer to 21/22 catalog for specific requirements and important information about this degree.
- Restricted Elective: Select one (1) course GT from ART, MUS, PHI, POS, ANT, HUM, LIT, GEO, or SPA 101 or SPA 115.

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.



Academic Plan
Associate of Applied Science
Construction Management

63 Credits

Catalog Year: 2021/2022

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Fall	Credits	Course
	3	ACC 101 - Fundamentals of Accounting (3 Cr.)
	3	AEC 107 - Print Reading Residential/Commercial (3 Cr.)
	4	AEC 110 - Architectural Design & Modeling (4 Cr.)
	3	BUS 115 - Introduction to Business (3 Cr.)
	3	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1 ~Recommended English Course(s)~ ENG 131 - Technical Writing I: GT-CO1* (3 Cr.)
Year 1: Spring	Credits	Course
	3	AEC 116 - Building Materials (3 Cr.)
	3	AEC 206 - Applied Structure Analysis (3 Cr.)
	3	BUS 216 - Legal Environment of Business (3 Cr.)
	3	MAN 226 - Principles of Management (3 Cr.)
	4	MAT 108 - Technical Mathematics (4 Cr.)
Year 2: Fall	Credits	Course
	3	AEC 216 - Construction Estimating (3 Cr.)
	3	AEC 220 - Surveying (3 Cr.)
	3	AEC 226 - Construction Scheduling (3 Cr.)
	3	AEC 228 - Contracts & The Legal Environment (3 Cr.)
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication (3 Cr.) ~Recommended Communication Course(s)~ COM 115 - Public Speaking* (3 Cr.)
Year 2: Spring	Credits	Course
	3	AEC 208 - Building Environmental Systems I
	3	AEC 236 - International Building Codes (3 Cr.)
	1	AEC 280 - Internship
	3	MAN 116 - Principles of Supervision (3 Cr.)
	3	MAN 216 - Small Business Management (3 Cr.)
	3	Restricted Elective ~Recommended Course(s)~ ART 110 - Art Appreciation GT-AH1* (3 Cr.) LIT 115 - Introduction to Literature I: GT-AH2* (3 Cr.) MUS 120 - Music Appreciation: GT-AH1* (3 Cr.) PHI 112 - Ethics: GT-AH3* (3 Cr.) PHI 218 - Environmental Ethics: GT-AH3* (3 Cr.) POS 105 - Introduction to Political Science: GT-SS1* (3 Cr.) SPA 211 - Spanish Language III: GT-AH4 (3 Cr.)

RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

Year 1: Fall	Credits	Course
	3	ACC 101 - Fundamentals of Accounting (3 Cr.)
	3	AEC 107 - Print Reading Residential/Commercial (3 Cr.)
	3	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1 ~Recommended English Course(s)~ ENG 131 - Technical Writing I: GT-CO1* (3 Cr.)
Year 1: Spring	Credits	Course
	3	AEC 116 - Building Materials (3 Cr.)
	4	MAT 108 - Technical Mathematics (4 Cr.)
Year 1: Summer	Credits	Course
	3	BUS 115 - Introduction to Business (3 Cr.)
	3	MAN 226 - Principles of Management (3 Cr.)
Year 2: Fall	Credits	Course
	4	AEC 110 - Architectural Design & Modeling (4 Cr.)
	3	AEC 220 - Surveying (3 Cr.)
	3	AEC 226 - Construction Scheduling (3 Cr.)
Year 2: Spring	Credits	Course
	3	AEC 206 - Applied Structure Analysis (3 Cr.)
	3	AEC 208 - Building Environmental Systems I
	3	MAN 116 - Principles of Supervision (3 Cr.)
Year 2: Summer	Credits	Course
	3	BUS 216 - Legal Environment of Business (3 Cr.)
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication (3 Cr.) ~Recommended Communication Course(s)~ COM 115 - Public Speaking* (3 Cr.)
Year 3: Fall	Credits	Course
	3	AEC 216 - Construction Estimating (3 Cr.)
	3	AEC 228 - Contracts & The Legal Environment (3 Cr.)
	3	Restricted Elective ~Recommended Course(s)~ ART 110 - Art Appreciation GT-AH1* (3 Cr.) LIT 115 - Introduction to Literature I: GT-AH2* (3 Cr.) MUS 120 - Music Appreciation: GT-AH1* (3 Cr.) PHI 112 - Ethics: GT-AH3* (3 Cr.) PHI 218 - Environmental Ethics: GT-AH3* (3 Cr.) POS 105 - Introduction to Political Science: GT-SS1* (3 Cr.) SPA 211 - Spanish Language III: GT-AH4 (3 Cr.)
Year 3: Spring	Credits	Course
	3	AEC 236 - International Building Codes (3 Cr.)
	1	AEC 280 - Internship
	3	MAN 216 - Small Business Management (3 Cr.)