

## PROGRAM OVERVIEW

Earning a bachelor of science in construction management provides the foundation for a financially rewarding, dynamic and exciting career. Construction managers are in high demand in the USA and worldwide due to increasing need for infrastructure improvement projects and new construction. Construction management students will develop project management skills suited to construction. This unique degree program integrates courses from four interdisciplinary fields: construction, business, architecture, and engineering. Graduates are sought by a range of general and specialty contractors, builders, developers, management and business firms, as well as construction manufacturing/supply companies and public organizations.

## ACADEMIC ADVISING

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Office Location: North Classroom 2506

## GRADUATION REQUIREMENTS & POLICIES

All CU Denver Engineering students are required to complete the following minimum general graduation requirements:

1. Complete a minimum of 120 semester hours.
2. Achieve a minimum 2.0 CU cumulative grade point average (GPA).
3. Complete all college and major requirements.
4. Residency: complete a minimum of 30 CU Denver hours in good standing at CU Denver.
5. Terminal Residency: complete at least the final two semesters as an enrolled CEDC student

## PROGRAM REQUIREMENTS & POLICIES

Students are responsible for meeting with the faculty advisor in their department to confirm major requirements. Students completing the Construction Management B.S. Degree are required to complete the following minimum program requirements:

1. Complete 24 semester hours of CU Denver Core Curriculum coursework.
2. Complete 12 semester hours of Math and Science coursework.
3. Achieve a minimum 2.0 CU cumulative grade point average (GPA) in all major courses.

Courses	Credits	Notes
* Course prerequisites change regularly. Students are responsible for consulting advisors and the class schedule in the student portal for prerequisite information. *		
Required CU Denver Core Curriculum Coursework	24	
Intellectual Competencies: ENGL 1020+ENGL 2030	6	
Humanities and the Arts	6	
Behavioral Sciences	3	
Social Sciences	3	
Cultural Diversity	3	
International Perspectives	3	
Required Math and Science Coursework	12	
MATH 1130 Precalculus	4	May substitute MATH 1110 and MATH 1120
PHYS 2010 College Physics I	4	
PHYS 2030 College Physics Lab I	1	
Statistics course	3	MATH 2830, MATH 3800, CVEN 3611, ELEC 3817, or BANA 2010
Required Business Coursework	15	
BMIN 1000 Introduction to Business	3	
BLAW 3050 Business Law and Ethics	3	
Business courses	9	Please discuss course choices with an advisor
Required Architecture Coursework	12	
ARCH 3330 Building Systems I	3	
ARCH 3340 Theory of Structures I	3	
ARCH 4340 Theory of Structures II	3	
ARCH 4440 Building Systems II	3	
Required Construction and Engineering Coursework	46	
CEMT 1000 Introduction to Construction Management	1	Or CVEN 1067
CEMT 2100 Construction Mgmt Fundamentals	3	

CEMT 2300 Heavy Civil Construction & Equipment	3	
CEMT 3100 Field Engineering & Management	3	
CEMT 3231 Construction Materials and Methods	3	
CEMT 4067 Senior Capstone Project		
CEMT 4232 Construction Planning and Controls	3	
CEMT 4233 Construction Cost Estimating	3	
CEMT 4234 Sustainable Construction	3	
CEMT 4236 Project Management	3	
CEMT 4240 Building Information Modeling	3	
CEMT 4242 Construction Safety	3	
CEMT 4939 Internship	1	At least 3 months of internship
CVEN 1025 or MECH 1025 Engineering Graphics	3	
CVEN 2214 Surveying for Construction	1	
CVEN 2215 Surveying Lab	1	
CVEN 1200 Freshman Design	3	Or ARCH 1110
ENGR 1100 Computational Foundations	3	
Technical Electives	11	

### SAMPLE ACADEMIC PLAN OF STUDY

The following academic plan is a *sample* pathway to completing degree requirements for this major. Students should tailor this plan based on previously completed college coursework (e.g., AP, IB, CLEP, dual/concurrent enrollment, and transfer credit), course availability, and individual preferences related to course load, schedules, or add-on programs such as minors or double-majors. Students deviating from this plan must fulfill course prerequisites and must meet with the faculty advisor in their department to confirm degree requirements.

<b>Year One</b>	<b>Semester 1</b>	CRS
	CEMT 1000 Intro to Construction Management	1
	Core Curriculum Course	3
	ENGL 1020 Core Composition I	3
	CVEN 1200 Freshman Design	3
	MATH 1130 Precalculus	4

<b>Year One</b>	<b>Semester 2</b>	CRS
	BMIN 1000 Introduction to Business	3
	CEMT 2100 Const Mgmt Fundamentals	3
	Core Curriculum Course	3
	CVEN 1025 or MECH 1025 Engineering Graphics	3
	ENGL 2030 Core Composition II	3

<b>Year Two</b>	<b>Semester 3</b>	CRS
	CEMT 2300 Heavy Civil Construction & Equipment	3
	ENGR 1100 Computational Foundations	3
	PHYS 2010 College Physics I & Lab	5
	CVEN 2214 AND 2215 Surveying for Construction AND Lab	2
Core Curriculum Course	3	

<b>Year Two</b>	<b>Semester 4</b>	CRS
	Business Course	3
	CEMT 3100 Field Engineering & Management	3
	Core Curriculum Course	3
	Core Curriculum Course	3
Statistics Course	3	

<b>Year Three</b>	<b>Semester 5</b>	CRS
	ARCH 3330 Building Systems I	3
	ARCH 3340 Theory of Structures I	3
	BLAW 3050 Business Law and Ethics	3
	Business Course	3
CEMT 3231 Construction Materials and Methods	3	

<b>Year Three</b>	<b>Semester 6</b>	CRS
	ARCH 4340 Theory of Structures II	3
	ARCH 4440 Building Systems II	3
	CEMT 4232 Construction Planning and Controls	3
	Core Curriculum Course	3
Technical Elective	3	

<b>Year Four</b>	<b>Semester 7</b>	CRS
	Technical Elective	3
	Business Course	3
	CEMT 4240 Building Information Modeling	3
	CEMT 4242 Construction Safety	3
	CEMT 4939 Internship	1
CEMT 4236 Project Management	3	

<b>Year Four</b>	<b>Semester 8</b>	CRS
	CEMT 4067 Senior Capstone Project	3
	CEMT 4233 Construction Cost Estimating	3
	CEMT 4234 Sustainable Construction	3
	Technical Elective	3
	Technical Elective	2