

# MAJOR IN CONSTRUCTION MANAGEMENT

## Major Completion Map

### Distinctive Requirements for Degree Program:

Every student pursuing the Construction Management (CM) major will start as Pre-Construction Management and must meet the following entrance requirements before being fully admitted to the Construction Management major:

- Earn a minimum 2.50 cumulative CSU GPA, and a 2.75 Pre-CM GPA.
- Construction Management requirement, must meet ALL:
  - Complete CON 101 with a "B-" grade or better; or earned a "B-" grade or better in an approved CON 101 transfer substitution course as reviewed and approved by the CM Curriculum Committee.
  - Complete CON 132 with a "C" grade or better.
  - Complete CON 151 with a "C" grade or better.
- Written Communication requirement, must meet one:
  - Complete CO 130 with a "C" grade or better.
  - Complete CO 150 with a "C" grade or better
  - Complete AUCC Category 2: Advanced Writing with a "C" grade or better.

- Complete HONR 192 with a "C" grade or better.
- Complete HONR 193 with a "C" grade or better
- Earned credit from concurrent enrollment or transfer coursework in CO 130, CO 150, or AUCC Category 2: Advanced Writing with a grade of "C" or better.
- Earned credit for CO 130 or CO 150 from placement exam, or AP score of 3 or higher.

### 1. Mathematics requirement, must meet one:

- Complete MATH 125 with a "C" grade or better.
- Complete MATH 127 with a "C" grade or better
- Complete MATH 160 with a grade of "C" or better
- Earned credit from concurrent enrollment or transfer coursework in MATH 125, MATH 127, MATH 160, or other higher level mathematics course that has MATH 125 as a prerequisite, with a grade of "C" or better.
- Place out of, or earn credit for, MATH 125 or higher-level math on the Math Placement Tool, CLEP, or AP exam.

Besides CON 101, CON 132, and CON 151, Pre-Construction Management students are not able to take CON courses until fully admitted to Construction Management.

There is a required internship that takes place prior to the student's graduation. Students must complete CON 487A (6-credit), or CON 487B (3-credit) and a Petition for Internship Reduction by August 31st during the Fall semester prior to the CON 487B internship experience.

### Freshman

Semester 1		Critical	Recommended	AUCC	Credits
CO 150	College Composition (GT-CO2)	X		1A	3
CON 101	Introduction to Construction Management	X			3
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
MATH 125	Numerical Trigonometry (GT-MA1)	X		1B	1
Arts and Humanities ( <a href="https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )			X	3B	3
Historical Perspectives ( <a href="https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )			X	3D	3

### Total Credits

15

Semester 2		Critical	Recommended	AUCC	Credits
CON 132	Construction Graphic Communications	X			1
CON 151	Construction Materials and Methods	X			3
CON 192	Construction Management Seminar	X			1
ECON 202	Principles of Microeconomics (GT-SS1)	X		3C	3
GEOL 121	Experiential Geoscience Laboratory (GT-SC1)	X		3A	1
Select one course from the following:		X			3
GEOL 120	Geology and Society (GT-SC2)			3A	
GEOL 122	Geoscience–Climate and Environmental Change (GT-SC2)			3A	
GEOL 124	Earth Resources and Sustainability (GT-SC2)			3A	
1C ( <a href="https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc">https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc</a> )			X	1C	3

### Total Credits

15

**Sophomore**

<b>Semester 3</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
BUS 205	Legal and Ethical Issues in Business	X			3
CON 232	Modeling for Construction	X			2
CON 251	Materials Testing and Processing	X			2
CON 253	Surveying and Construction Layout	X			2
SPCM 200	Public Speaking	X			3
Select one course from the following:		X			3
MATH 141	Calculus in Management Sciences (GT-MA1)			1B	
STAT 201	General Statistics (GT-MA1)			1B	
STAT 204	Statistics With Business Applications (GT-MA1)			1B	
Arts and Humanities ( <a href="https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )			X	3B	3
Entrance to Construction Management major required by the end of Semester 3.		X			

**Total Credits****18**

<b>Semester 4</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
ACT 205	Fundamentals of Accounting	X			3
CON 265	Plan Reading and Quantity Survey	X			3
CON 317	Safety Management	X			2
CON 353	Field Management for Construction	X			3
PH 110	Physics of Everyday Phenomena (GT-SC2)	X		3A	3
PH 111	Physics of Everyday Phenomena Laboratory (GT-SC1)	X		3A	1
If taking CON 487B (3 credits), obtain Petition for Internship Reduction Packet from CM Placement Office		X			

**Total Credits****15****Junior**

<b>Semester 5</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 267	Construction Management Pre-Internship	X			1
CON 340	Mechanical, Electrical, and Plumbing Systems	X			4
CON 365	Construction Estimating	X		4A	3
CON 367	Construction Contracts/Project Administration	X		4B	3
CON 368	Construction Budget and Cost Controls	X			3
If taking CON 487B (3 credit), complete the Petition for Internship Reduction Packet and submit to Phelps Placement Office no later than August 31st of the fall semester before your internship.		X			

**Total Credits****14**

<b>Semester 6</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 366	Construction Equipment and Methods	X			3
CON 457	Structures for Construction	X			4
Select one group (6 credits) from the following:		X			6
Group A					
CON 487A	Internship: Construction Management				
Group B					
CON 487B	Internship: Construction Management Intermediate				
CON Elective			X		

**Total Credits****13****Senior**

<b>Semester 7</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 461	Construction Scheduling	X		4A	3
MGT 305	Fundamentals of Management	X			3
CON XXX			X		6

Advanced Writing ( <a href="https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing">https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing</a> )	X	2	3
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<b>Total Credits</b>				<b>15</b>
<b>Semester 8</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>
CON 465	Construction Management Professional Practice	X		4C
CON 469	Soil Mechanics for Construction	X		
CON XXX		X		
Elective		X		
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.		X		
<b>Total Credits</b>				<b>15</b>
<b>Program Total Credits:</b>				<b>120</b>