

# 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:

1. Earn a minimum 2.50 cumulative CSU GPA, and a 2.75 Pre-CM GPA.
2. 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.
3. Complete CON 131 with a "C" grade or better.
4. Complete CON 151 with a "C" grade or better.
5. 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.

### 6. 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 131, 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 the last Friday of October 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="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )			X	3B	3
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )			X	3D	3
CON 101, CO 150 and MATH 125 must be completed by the end of Semester 1		X			

#### Total Credits

15

#### Semester 2

		Critical	Recommended	AUCC	Credits
CON 131	Graphic Communications for Construction	X			2
CON 151	Construction Materials and Methods	X			3
CON 192	Construction Management Seminar		X		1
ECON 202	Principles of Microeconomics (GT-SS1)			3C	3
GEOL 121	Experiential Geoscience Laboratory (GT-SC1)			3A	1
Select one course from the following:					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	

Diversity, Equity, and Inclusion (<http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion>) 1C 3

**Total Credits** **16**

**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				3
CON 251	Materials Testing and Processing	X			2
MATH 141	Calculus in Management Sciences (GT-MA1)			1B	3
SPCM 200	Public Speaking				3
Select one course from the following:					2-3
CON 261	Construction Surveying	X			
CON 253	Surveying and Construction Layout				
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )					3
Admission to Construction Management major required by the end of Semester 3.		X			

**Total Credits** **17**

<b>Semester 4</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
ACT 205	Fundamentals of Accounting				3
CON 265	Plan Reading and Quantity Survey	X			3
CON 317	Safety Management	X			2
PH 110	Physics of Everyday Phenomena (GT-SC2)			3A	3
PH 111	Physics of Everyday Phenomena Laboratory (GT-SC1)			3A	1
Select one course from the following:					2-3
CON 351	Construction Field Management	X			
CON 353	Field Management for Construction				
If taking CON 487B (3 credits), obtain Petition for Internship Reduction Packet from CM Advising Office					

**Total Credits** **14**

**Junior**

<b>Semester 5</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 360	Electrical Systems in Construction	X			3
Select one course from the following:					3-4
CON 358	Structural Systems for Construction I				
CON 359	Structures I	X			
Select 6 credits from the following:					6
Group A					
CON 487A	Internship: Construction Management	X			
Group B					
CON 487B	Internship: Construction Management Intermediate	X			
CON Elective					
Select one course from the following:					3
STAT 201	General Statistics (GT-MA1)			1B	
STAT 204	Statistics With Business Applications (GT-MA1)			1B	
If taking CON 487B (3 credit), complete the Petition for Internship Reduction Packet and submit to Phelps Placement Office no later than the last Friday in October the fall semester before your internship.					

**Total Credits** **15-16**

<b>Semester 6</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 267	Construction Management Pre-Internship	X			1
CON 365	Construction Estimating	X		4A	3
CON 366	Construction Equipment and Methods		X		3
CON 367	Construction Contracts/Project Administration	X		4B	3

CON 371	Mechanical and Plumbing Systems				3
CON Elective					3
<b>Total Credits</b>					<b>16</b>
<i>Senior</i>					
<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				3
MGT 473	Employment Relations: Labor and Management				3
Select one course from the following:					3-4
CON 458	Structural Systems for Construction II				
CON 459	Structures II				
<b>Total Credits</b>					<b>12-13</b>
<b>Semester 8</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
CON 462	Financial Management for Construction	X			3
CON 465	Construction Management Professional Practice	X		4C	3
CON 469	Soil Mechanics for Construction	X			3
Advanced Writing ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing</a> )				2	3
Electives					1-3
<b>Total Credits</b>					<b>14</b>
<b>Program Total Credits:</b>					<b>120</b>