

**Course Prerequisites**

Semester	Credits	Course	Prerequisites	AUCC	Note
	1	<b>MATH 117</b> College Algebra in Context I	Math Placement Exam	1B	
	1	<b>MATH 118</b> College Algebra in Context II	MATH 117	1B	

**First Year**

Semester	Credits	Course	Prerequisites	AUCC	Note
<b>Pre-CM Requirements- Must be completed prior to application for admission to CM program, also need 2.75 cumulative CSU GPA to apply</b>					
	1	<b>MATH 125</b> Numerical Trigonometry	MATH 118	1B	<i>Must earn a C or better</i>
	3	<b>CO 150</b> College Composition	CO 130 or SAT score of 600 or ACT score of 26 or DSP Survey	1A	<i>Must earn a B or better</i>
	3	<b>CON 101</b> Introduction to Construction Management			<i>Must earn a B or better</i>
	3	<b>GEOL 120</b> or <b>GEOL 122</b> or <b>GEOL 124</b> Physical Geology		3A	Choose one of the three
	1	<b>GEOL121</b> Introductory Geology Laboratory		3A	
	3	<b>ECON 202</b> Principles of Microeconomics	MATH 117 or higher level math course	3C	
	3	<b>Arts and Humanities</b>		3B	See Catalog
	3	<b>Arts and Humanities</b>		3B	See Catalog
	3	<b>Historical Perspectives</b>		3D	See Catalog
	3	<b>Global and Cultural Awareness</b>		3E	See Catalog
	2	<b>CON 131</b> Graphic Communications for Construction			
	3	<b>CON 151</b> Construction Materials and Methods			
Total:	31				

**Second Year**

Semester	Credits	Course	Prerequisites	AUCC	Note
	3	<b>MATH 141</b> Calculus in Management Sciences	MATH 118	1B	
	3	<b>SPCM 200</b> Public Speaking			
	3	<b>ACT 205</b> Fundamentals of Accounting	30+ credits		
	3	<b>BUS 205</b> Legal and Ethical Issues in Business	30+ credits		
	5	<b>PH 121</b> General Physics I	<b>Corequisite:</b> MATH 125	3A	
	2	<b>CON 251</b> Materials Testing and Processing	CON151, CM Admission		
	3	<b>CON 261</b> Construction Surveying	MATH 125 or MATH 160 and CON 131 or INTD 166		
	3	<b>CON 265</b> Construction Estimating I	CON 131 and CON151		
	2	<b>CON 317</b> Safety Management			Prerequisite for CON487 A or B
	2	<b>CON 351</b> Construction Field Management	<b>Corequisites:</b> CON 251 and CON 317		
Total:	29				

**Complete 500 Hours Work Experience- Complete Work Documentation Packet and submit to Internship Office (113A Guggenheim Hall) no later than the Friday of finals week the December prior to your internship for 12 week internship**

**Third Year**

Semester	Credits	Course	Prerequisites	AUCC	Note
	3	<b>STAT 204</b> Statistics for Business Students	MATH 117		
	1	<b>CON 267</b> Pre-Internship			Take immediately prior to CON 487A or B; if opting 12 week internship, 500 hours should be submitted before registration
	4	<b>CON 359</b> Structures I	MATH 125 and Junior or Senior Standing		
	3	<b>CON 360</b> Electrical and Control Systems	CON 265		
	3	<b>CON 365</b> Construction Estimating II	CON 265	4A	
	3	<b>CON 366</b> Construction Equipment and Methods	CON 261		
	3	<b>CON 367</b> Construction Contracts and Project Administration	<b>Prerequisite:</b> CON 265 <b>Corequisite:</b> CON 351	4B	Prerequisite for CON487 A or B
	3	<b>CON 371</b> Mechanical and Plumbing Systems	<b>Corequisite for CM majors:</b> CON 360 <b>Corequisite for ID majors:</b> INTD 276		
	3	<b>Advanced Writing</b>	CO150 or HONR 193	2B	See Catalog
	3	<b>MGT 305</b> Fundamentals of Management	60+ credits		
Total:	29				

	<b>3</b>	<b>CON 487 B 12 Week Internship</b>	<b>500 Hours Documented Work Experience</b>	
	<b>OR</b>		<b>CON 267 and CON 367</b>	
	<b>6</b>	<b>CON 487 A 24 Week Internship</b> (3 credits will fulfill Technical elective)		<b>*3 of 6 credits from 487A can be applied to required Technical Elective</b>

**Fourth Year**

Semester	Credits	Course	Prerequisites	AUCC	Note
	3	<b>CON 469</b> Soils Engineering for Construction Managers	CON 359		
	4	<b>CON 459</b> Structures II	CON 359		
	3	<b>CON 461</b> Construction Project Scheduling and Cost Control	CON 365	4A	
	3	<b>CON 462</b> Financial Management for Construction	ACT 205 or 210 and MGT 305 or 320		
	3	<b>CON 465</b> Const. Mgmt. Professional Practice	<b>Prerequisite:</b> CON 487 A or B <b>Corequisite:</b> CON 461	4C	
	3	<b>MGT 473</b> Employment Relations: Labor and Management	60+ credits		
	3	<b>Technical Electives</b>			See approved list
	3	<b>CON Elective</b>			See approved list
	3	<b>CON Elective</b>			See approved list
Total:	28				

**Total Credits Required for CM Program and CSU Degree Completion: 120 minimum**  
**PREREQUISITE = Must be completed with a passing grade prior to** **COREQUISITE: Can be taken concurrently**  
 All CON prefix courses are restricted until admission to the Construction Management Program

**CONSTRUCTION ELECTIVES**

CON Courses not required by CM major  
(fulfills CON or Technical Elective) (F= Fall, S=Spring)  
CON270 Intro to Road Construction (3) F  
CON352 Metal Fabrication for Construction (2) F,S  
CON370 Asphalt Pavement Materials and Construction (3) F,S  
CON384 Supervised College Teaching (1-2) F,S  
CON450/INTD450 Travel Abroad- Sustainable Building (3)  
(Summer or Winter Break Only)  
CON464 Construction Leadership (application required) (3) S  
CON476 Sustainable Design and Construction (3) F  
CON477 Residential Aging-in-Place and Green Building (3) S  
CON471 Project Management for Mechanical Systems (3) F  
CON568 Construction Industry Institute Best Practices (3) F  
Group Studies offered as CON496  
500 level CON graduate course s (instructor approval required)

**TECHNICAL ELECTIVES****Business/Computer Science/Economics:**

BUS150 CS 110 ECON304  
FIN305 CS150 ECON346  
REL360 ECON204 ECON306  
MKT305 ECON240 ECON315  
ECON320

**Foreign Language:**

Any First Year Language I, II  
Any Second Year Language I,II

**Interior Design:**

INTD200 INTD235 INTD255  
INTD210 INTD236 INTD266

**Math/Statistics:**

MATH161 STAT340

**Science:**

CHEM 103/104 CHEM 113/114  
CHEM 107/108 HES240  
CHEM 111/112 PH142

**Civil Engineering:**

300 level or higher

**Communication:**

CO401 JTC411 JTC301

Additional CON487A (24 week Internship) credits accepted

**All other courses must be approved by the CM Advisor**

- Must enhance student's knowledge or skill in the Construction Management field
- Technical Elective Credits earned DO NOT count for other CM Major requirements
- Must be beyond introductory level coursework
- See your advisor to determine the total number of Technical Elective Credits needed

**ALL-UNIVERSITY CORE CURRICULUM (AUCC)**

\*\* A student must earn a cumulative grade point average of 2.000 or better in the courses used to satisfy categories 1 through 3 of the All-University Core Curriculum requirements.

\*\*The composition and mathematics requirements **must** be completed within the first 60 credits (CSU and transfer) taken.

**Category B: Arts and Humanities (6 credits) Choose 2:**

ART 100 Introduction to the Visual Arts  
BUS 220 Ethics in Contemporary Organizations  
D 110 Understanding Dance  
E 140 The Study of Literature  
E 232 Introduction to Humanities  
E 242 Reading Shakespeare  
E 270 Introduction to American Literature  
E 276 Survey of British Literature I  
E 277 Survey of British Literature II  
ETST 240 Native American Cultural Expressions  
LARA 200 Second Year Arabic I  
LARA 201 Second Year Arabic II  
LARA 250 Arabic Language, Literature, and Culture in Translation  
LCHI 200 Second Year Chinese I  
LCHI 201 Second Year Chinese II  
LCHI 250 Chinese Language, Literature, and Culture in Translation  
LFRE 200 Second Year French I  
LFRE 201 Second Year French II  
LFRE 250 French Language, Literature, and Culture in Translation  
LGER 200 Second Year German I  
LGER 201 Second Year German II  
LGER 250 German Language, Literature, and Culture in Translation  
LITA 200 Second Year Italian I  
LITA 201 Second Year Italian II  
LJPN 200 Second Year Japanese I  
LJPN 201 Second Year Japanese II  
LJPN 250 Japanese Language, Literature, and Culture in Translation  
LRUS 200 Second Year Russian I  
LRUS 201 Second Year Russian II  
LRUS 250 Russian Language, Literature, and Culture in Translation  
LSGN 200 Second Year American Sign Language I  
LSGN 201 Second Year American Sign Language II  
LSPA 200 Second Year Spanish I  
LSPA 201 Second Year Spanish II  
LSPA 230 Spanish for Heritage Speakers  
LSPA 250 Spanish Language, Literature, and Culture in Translation  
MU 100 Music Appreciation  
MU 111 Music Theory Fundamentals  
MU 131 Introduction to Music History and Literature  
PHIL 100 Appreciation of Philosophy  
PHIL 103 Moral and Social Problems  
PHIL 110 Logic and Critical Thinking  
PHIL 120 History and Philosophy of Scientific Thought  
SPCM 100 Communication and Popular Culture  
SPCM 201 Rhetoric in Western Thought  
TH 141 Introduction to Theatre

**Category D: Historical Perspectives (3 credits):**

AGED 210 History of Agriculture in the United States  
AMST 100 Self/Community in American Culture, 1600-1877  
AMST 101 Self/Community in American Culture Since 1877  
ANTH 140 Introduction to Prehistory  
ETST 250 African American History  
ETST 252 Asian American History  
ETST 255 Native American History  
HIST 100 Western Civilization, Pre-Modern  
HIST 101 Western Civilization, Modern  
HIST 115 Islamic World to 1500  
HIST 116 The Islamic World Since 1500  
HIST 120 Asian Civilizations I  
HIST 121 Asian Civilizations II  
HIST 150 U.S. History to 1876  
HIST 151 U.S. History Since 1876  
HIST 170 World History, Ancient-1500  
HIST 171 World History, 1500-Present  
HIST 250 African American History  
HIST 252 Asian American History  
HIST 255 Native American History  
NR 320 Natural Resources History and Policy

**Category E: Global and Cultural Awareness (3 credits):**

AGRI 116 Plants and Civilization  
AGRI 270 World Interdependence-Population and Food  
AM 250 Clothing, Adornment, and Human Behavior  
ANTH 200 Cultures and the Global System  
E 142 Reading Without Borders  
E 238 20th Century Fiction  
E 245 World Drama  
ECON 211 Gender in the Economy  
ETST 100 Introduction to Ethnic Studies  
ETST 205 Ethnicity and the Media  
ETST 253 Chicana/o History and Culture  
ETST 256 Border Crossings: People/Politics/Culture  
HORT 171 Environmental Issues in Agriculture  
IE 116 Plants and Civilizations  
IE 179 Globalization: Exploring Our Global Village  
IE 270 World Interdependence-Population & Food  
IE 370 Model United Nations  
LB 170 World Literatures to 1500  
LB 171 World Literatures-The Modern Period  
PHIL 170 World Philosophies  
POLS 131 Current World Problems  
POLS 232 International Relations  
POLS 241 Comparative Government and Politics  
SA 482 Study Abroad  
SOC 205 Contemporary Race-Ethnic Relations  
SOC 220 Global Environmental Issues  
SOCR 171 Environmental Issues in Agriculture

**Category 2: Advanced Writing**

CO 300 Writing Arguments  
CO 301A Writing in the Disciplines-Arts/Hum H  
CO 301B Writing in the Disciplines-Sciences  
CO 301C Writing in the Disciplines-Social Sci  
CO 301D Writing in the Disciplines-Education  
CO 302 Writing In Digital Environments  
JTC 300 Professional/Technical Communication  
JTC 301 Corporate and Professional Communication  
LB 300 Specialized Professional Writing