

Name:

CSUID:

Date: **Construction Management Major Requirements** Effective Fall 2017 Advisor:

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

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

Second Year					
Semester	Credits	Course	Prerequisites	AUCC	Note
	3	MATH 141 Calculus in Management Sciences	MATH 118	1B	
	3	SPCM 200 Public Speaking			
	3	ACT 205 Fundamentals of Accounting			30+ credits
	3	BUS 205 Legal and Ethical Issues in Business			30+ credits
	5	PH 121 General Physics I	Corequisite: MATH 125	3A	
	2	CON 251 Materials Testing and Processing	CON151 with C or better		
	3	CON 261 Construction Surveying	MATH 125 or MATH 160 and CON 131 with a C or better, or INTD 166		Must earn a C or better
	3	CON 265 Plan Reading and Quantity Survey (previously Estimating I)	CON 131 and CON 151		Must earn a C or better
	2	CON 317 Safety Management			
	2	CON 351 Construction Field Management	Corequisites: CON 251 and CON 317		
Total:	29				

Third Year					
Semester	Credits	Course	Prerequisites	AUCC	Note
	3	STAT 204 Statistics for Business Students	MATH 117		
	1	CON 267 Pre-Internship			Take immediately prior to CON 487A or B.
	4	CON 359 Structures I	CON 151 with C or better and MATH 125		
	3	CON 360 Electrical and Control Systems	CON 265 with C or better		
	3	CON 365 Construction Estimating II	CON 265 with C or better	4A	
	3	CON 366 Construction Equipment and Methods	CON 265 with C or better		
	3	CON 367 Construction Contracts and Project Administration	Corequisite: CON 351	4B	Prerequisite for CON487 A or B
	3	CON 371 Mechanical and Plumbing Systems	Corequisite for CM majors: CON 360 Corequisite for ID majors: INTD 276		
	3	Advanced Writing	CO150 or HONR 193	2B	See Catalog
	3	MGT 305 Fundamentals of Management			60+ credits
Total:	29				

	6 OR 3	CON 487 A 24 Week Internship (3 credits will fulfill Technical elective) CON 487 B 12 Week Internship (requires PIR* submittal & approval)	For Both: CON 267 and CON 367 OSHA 10-hour construction safety card For CON487B only: *Petition for Internship Reduction (PIR)		
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Fourth Year					
Semester	Credits	Course	Prerequisites	AUCC	Note
	3	CON 469 Soils Engineering for Construction Managers	CON 359		
	4	CON 459 Structures II	CON 359 with C or better		
	3	CON 461 Construction Project Scheduling and Cost Control	CON 365	4A	
	3	CON 462 Financial Management for Construction	ACT 205 or 210 and MGT 305 or 320		
	3	CON 465 Const. Mgmt. Professional Practice	Prerequisite: CON 487 A or B Corequisite: CON 461	4C	
	3	MGT 473 Employment Relations: Labor and Management			60+ credits
	3	Technical Electives			See approved list
	3	CON Elective			See approved list
	3	CON Elective			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
CON495 Independent Study (1-3) F, S
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
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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
ART	200	Media Arts in Context
BUS	220	Ethics in Contemporary Organizations
D	110	Understanding Dance
E	140	The Study of Literature
E	232	Introduction to Humanities
E	236	Short Fiction
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
LAND	110	Intro to Landscape Architecture
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
INST	200	Interdisciplinary Approaches to Globalization
LB	170	World Literatures to 1500
LB	171	World Literatures-The Modern Period
MU	132	Exploring World Music
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

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