

Construction Engineering and Management

College of Engineering

Code-BSCNE 130 Credits for Graduation Students must have a graduation index of 2.0

onstruction Engineering Major Courses Required CEM Courses (58 cr			
(4) CE 20300 Principles and Practic	ees of Geomatics	(3) CE 29700 Basic Mechanic	cs I (Statics)
(3) CEM 20100 Life Cycle Engined (2) CGT 16400 Graphics for Civil H (4) CE 27000 Introductory Structure (3) CE 23100 Engineering Material (1) CEM 321 CEM Materials Lab (3) CE 29800 Basic Mechanics II (I (3) CEM 30200 Practical Application (3) CEM 32400 Human Resource I (3) CEM 30100 Project Control an (3) CE 34000 Hydraulics	ering and Manager	nent of Constructed Facilities	
(2) CGT 16400 Graphics for Civil I	Engr and Construct	tion (3) ME 20000 Thermodyna	mics I
(4) CE 27000 Introductory Structure	al Mechanics		
(3) CE 23100 Engineering Material	s I		
(1) CEM 321 CEM Materials Lab			
(3) CE 29800 Basic Mechanics II (I	Dynamics)		
(3) CEM 30200 Practical Applicati	ions for Constr. En	g.	
(3) CEM 32400 Human Resource	Mgmt in Constr.		
(3) CEM 30100 Project Control an	d Life Cycle Execu	tion of Constructed Facilities	
(3) CE 34000 Hydraulics			-
(3) CE 37100 Structural Analysis		(4) CE 47300 Reinforced Co	oncrete Design
_ (3) CE 38300 Geotechnical Engine	eering I		
(3) CEM 48500 Legal Aspects Con	struction Engineer		_
(3) CEM 42500 Construction Prac	tice Project	(0) CEM 29100 Constructio	
(3) CE 34000 Hydraulics (3) CE 37100 Structural Analysis I (3) CE 38300 Geotechnical Engine (3) CEM 48500 Legal Aspects Con (3) CEM 42500 Construction Prac (3) CE 52100 Construction Busine	ess Management	(0) CEM 39100 Construction	on Internship I
CEM technical Electives - (6 c			
(3) Technical Elective I			
_ (3) Technical Elective I _ (3) Technical Elective II			
Other Departmental /Progra	am Course Requi	rements (48-50 credits)	
(3) COM 11400 Funadmentals of	Speech Communica	tion	
(3) COM 11400 Funadmentals of (3) MGMT 20000 Introductory Ac (4/5) MA 16500 / 16100 Analytic G (4/5) MA 16600 / 16200 Analytic G (4/5) MA 26100 Multivariate Calcu (3) MA 26500 Linear Algebra (3) MA 26600 Ordinary Different (4) CHM 11500 General Chemistr (4) PHYS 17200 Modern Mechanical (3) PHYS 24100 Electricity and O ENGL 10800 First-Year Commission (3) ENGL 10800 First-Year Commission (3) ENGL 10800 First-Year Commission (4) ENGL 10800 First-Year Commission (5) ENGL 10800 First-Year Commission (5) ENGL 10800 First-Year Commission (6) ENGL 10800 First-Year Co	•	aton	
(4/5) MA 16500 / 16100 Analytic G	-	us I (satisfies FYE requirement)	
(4/5) MA 16600 / 16200 Analytic G	•	us II (satisfies FYE requirement)	
(4) MA 26100 Multivariate Calcu	·	us ii (suusiissi 12 isquiisiissi)	
(3) MA 26500 Linear Algebra	ius		
(3) MA 26600 Ordinary Different	ial Equations Eng		
(4) CHM 11500 General Chemistr		quirement)	
(4) PHYS 17200 Modern Mechanic			
(3) PHYS 24100 Electricity and O		equitement)	
(3) ENGL 10800 First-Year Comp		(E requirement)	
(2) ENGR 13100 Transforming Id		- ·	
(2) ENGR 13200 Transforming Id		•	
(3) STAT 51100 Statistical Metho		(**************************************	
(3) Science Selective (satisfies FY			
General Education Elective	es (18 credits)		
(3) General Education Elective I		(3) General Education Electi	ve IV
(3) General Education Elective II		(3) General Education Electi	
(3) General Education Elective II		(3) General Education Electi	
niversity Foundational Core Requireme	nts (http://www.pu	rdue.edu/provost/initiatives/curriculum/	course.html)
fuman Cultures — Humanities (H)	Gen Ed I Gen Ed II	Science, Technology & Society (STS) Written Communication (WC)	Gen Ed III ENGL 10800
uman Cultures — Behavioral/Social Science	Gen Ed II	Written Communication (WC)	ENGL 10800
formation Literacy (IL)	ENGL 10800	Oral Communication (OC)	COM 11400
cience (S)	CHM 11500	Quantitative Reasoning (QR)	MA 16500

Construction Engineering https://engineering.purdue.edu/CEM/Academics

Suggested Arrangement of Courses

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4	MA 16500	-	4	MA 16600	MA 16500
4	CHM 11500		4	PHYS 17200	MA 16500
3	ENGL 10800		3	Science Selective	
2	ENGR 13100		2	ENGR 13200	ENGR 13100
			3	COM 11400	
13			16		
Credits	Summer 1st Year				
0	CEM 19100 -				
	Summer Internship I				
Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2 nd Year	Prerequisite
4	MA 26100	MA 16600	3	MA 26600	MA 26100
3	CEM 20100		3	CE 23100	CE 29700, CE 27000
3	CE 29700	MA 26100, PHYS 17200	4	CE 27000	CE 29700, CE 23100
4	CE 20300	CGT 16400	2	CEM 28000	CEM 19100
2	CGT 16400		3	MGMT 20000	
			3	PHYS 24100	PHYS 17200
16			18		
~	a				
Credits	Summer 2 nd Year				
0	CEM 29100 –				
3	Summer Internship II Gen Ed Elective I				
3	Gen Eu Elective I				
Credits	Fall 3 rd Year	D '''	G 114	Spring 3 rd Year	T
3		Prerequisite	Credits	Spring 5 rear	Prerequisite
3	MA 26500	Prerequisite MA 16600	Credits 3	Technical Elective I	Prerequisite
5	MA 26500 CE 29800	MA 16600 CE 29700			Prerequisite CE 29800
1		MA 16600 CE 29700	3	Technical Elective I CE 34000	CE 29800
	CE 29800	MA 16600	3	Technical Elective I	•
1	CE 29800 CEM 38000	MA 16600 CE 29700 CEM 28000	3 3 1	Technical Elective I CE 34000 CE 34300	CE 29800 CE 34000
1 3	CE 29800 CEM 38000 CEM 30100	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3	Technical Elective I CE 34000 CE 34300 CE 37100	CE 29800 CE 34000 CE 27000
1 3 3	CE 29800 CEM 38000 CEM 30100 STAT 51100	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300	CE 29800 CE 34000 CE 27000 CE 34000
1 3 3 1	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3 3 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300	CE 29800 CE 34000 CE 27000 CE 34000
1 3 3 1 14	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3 3 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300	CE 29800 CE 34000 CE 27000 CE 34000
1 3 3 1 14 Credits	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3 3 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300	CE 29800 CE 34000 CE 27000 CE 34000
1 3 3 1 14 Credits 0	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100	3 3 1 3 3 3 16	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200	CE 29800 CE 34000 CE 27000 CE 34000 CEM 30100
1 3 3 1 14 Credits 0 3 Credits	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600	3 3 1 3 3 3 16	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200 Spring 4th Year	CE 29800 CE 34000 CE 27000 CE 34000 CEM 30100
1 3 3 1 14 Credits 0	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year Technical Elective II	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100 Prerequisite	3 3 1 3 3 3 16 Credits 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200	CE 29800 CE 34000 CE 27000 CE 34000 CE 34000 CEM 30100 Prerequisite MGMT 20000/STAT 51100
1 3 3 1 14 Credits 0 3 Credits	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100	3 3 1 3 3 3 16	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200 Spring 4th Year CE 52100 or	CE 29800 CE 34000 CE 27000 CE 34000 CEM 30100
1 3 3 1 14 Credits 0 3 Credits	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year Technical Elective II	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100 Prerequisite	3 3 1 3 3 3 16 Credits 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200 Spring 4th Year CE 52100 or MGMT 30400	CE 29800 CE 34000 CE 27000 CE 34000 CE 34000 CEM 30100 Prerequisite MGMT 20000/STAT 51100
1 3 3 1 14 Credits 0 3 Credits 3	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year Technical Elective II CE 47300	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100 Prerequisite CE 37100	3 3 1 3 3 3 16 Credits 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200 Spring 4th Year CE 52100 or MGMT 30400 ME 20000	CE 29800 CE 34000 CE 27000 CE 34000 CE 34000 CEM 30100 Prerequisite MGMT 20000/STAT 51100 MA 26100
1 3 3 1 14 Credits 0 3 Credits 3 4 3	CE 29800 CEM 38000 CEM 30100 STAT 51100 CEM 32100 CEM Mate Summer 3 rd Year CEM 39100 – Summer Internship III Gen Ed Elective II Fall 4th Year Technical Elective II CE 47300 CEM 42500	MA 16600 CE 29700 CEM 28000 CEM 20100 MA 16600 rials Lab CE 23100 Prerequisite CE 37100 CEM 30200/CEM 29100 CEM 29100/CEM 30100	3 3 1 3 3 3 16 Credits 3 3 3	Technical Elective I CE 34000 CE 34300 CE 37100 CE 38300 CEM 30200 Spring 4th Year CE 52100 or MGMT 30400 ME 20000 CEM 48500	CE 29800 CE 34000 CE 27000 CE 34000 CE 34000 CEM 30100 Prerequisite MGMT 20000/STAT 51100 MA 26100

130 semester credits required for Bachelor of Science in Construction Engineering degree. Students must have a graduation index of 2.0.

The student is ultimately responsible for knowing and completing all degree requirements. MyPurduePlan is a knowledge source for specific requirements and completion.