

BS CONSTRUCTION MANAGEMENT 2022-2026

This document displays only your course requirements at the time of publication of the catalog. You must use your Degree Progress Report to track all your graduation requirements.

Note: No Major or Support courses may be selected as credit/no credit.

MAJOR CO	IIRSES	
		12
CM 102	Introduction to Construction Management	2
CM 113	Construction Materials and Assemblies	+
CM 114	Construction Materials and Assemblies Lab	2
CM 115	Fundamentals of Construction Management	6
CM 214	Residential Construction Management	5
CM 232	Evaluation of Cost Alternatives	3
CM 280	Building Information Modeling	2
CM 313	Commercial Construction Management	5
CM 314	Heavy Civil Construction Management	5
CM 317	Sustainability & the Built Environment (U-D B) 1	4
CM 318	Housing and Communities (Upper-Division D) 1	4
CM 334	Construction Law	2
CM 335	Construction Accounting	2
CM 411	Specialty Contracting Construction Management	5
CM 413	Jobsite Construction Management	5
CM 443	Management of the Construction Firm	3
CM 450	Integrated Project, Design and Program Management	5
CM 460	Senior Project Methodology	2
CM 461	Senior Project I	1
CM 462	Senior Project II	1
Technical Ele	ctives (see reverse for list)	8
Total Major		74
SUPPORT (
Select from tl	he following:	6
ARCE 211	Structures I	
& ARCE 212	and Structures II (3, 3)	
ME 211	Engineering Statics	
& CE 204	and Mechanics of Materials I (3, 3)	
ARCE 226	Introduction to Structural Systems	3
ARCE 315		1
	Introduction to Structural Design	14
ARCF 421	Introduction to Structural Design Soil Mechanics	3
ARCE 421 BRAF 239	Soil Mechanics	3
BRAE 239	Soil Mechanics Engineering Surveying	-
BRAE 239 or CM 239	Soil Mechanics Engineering Surveying Construction Surveying	3
BRAE 239 or CM 239 BUS 207	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business	3 4 4
BRAE 239 or CM 239 BUS 207 BUS 212	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors	3
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting	3 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting	3 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1	3 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1	3 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) ¹ Principles of Environmental Design (E) ¹ Corporate Communication (GWR)	3 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1 Corporate Communication (GWR) Physical Geology	3 4 4 4 4 4 4 4 3
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1 Corporate Communication (GWR) Physical Geology Calculus I (B4) 1	3 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) Principles of Environmental Design (E) Corporate Communication (GWR) Physical Geology Calculus I (B4) Calculus for Arch & CM (GE Electives) 1.2	3 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1 Corporate Communication (GWR) Physical Geology Calculus I (B4) 1 Calculus for Arch & CM (GE Electives) 1.2 General Physics I	3 4 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from the	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1 Corporate Communication (GWR) Physical Geology Calculus I (B4) 1 Calculus for Arch & CM (GE Electives) 1,2 General Physics I the following:	3 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from tl PHYS 142	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) 1 Principles of Environmental Design (E) 1 Corporate Communication (GWR) Physical Geology Calculus I (B4) 1 Calculus for Arch & CM (GE Electives) 1,2 General Physics I the following: General Physics II (B1 & B3) 1	3 4 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from tl PHYS 142 CHEM 124	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) Principles of Environmental Design (E) Corporate Communication (GWR) Physical Geology Calculus I (B4) Calculus for Arch & CM (GE Electives) General Physics I the following: General Physics II (B1 & B3) Gen CHEM for Physical Science & ENGR I (B1 & B3) General Physics II (B1 & B3) Gen CHEM for Physical Science & ENGR I (B1 & B3) Total Construction Surveying Legal Responsibilities of Business Financial Accounting Fundaments Financial Accounting Fundaments General Physics II (B1 & B3) General Physics II	3 4 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from tl PHYS 142 CHEM 124 CHEM 127	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) Principles of Environmental Design (E) Corporate Communication (GWR) Physical Geology Calculus I (B4) Calculus for Arch & CM (GE Electives) General Physics I the following: General Physics II (B1 & B3) General Chemistry for Agriculture and Life Science I	3 4 4 4 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from tl PHYS 142 CHEM 124 CHEM 127 STAT 251	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) ¹ Principles of Environmental Design (E) ¹ Corporate Communication (GWR) Physical Geology Calculus I (B4) ¹ Calculus for Arch & CM (GE Electives) ^{1,2} General Physics I the following: General Physics II (B1 & B3) ¹ Gen CHEM for Physical Science & ENGR I (B1 & B3) ¹ General Chemistry for Agriculture and Life Science I Statistical Inference for Management I	3 4 4 4 4 4 4 4 4 4 4
BRAE 239 or CM 239 BUS 207 BUS 212 or BUS 214 BUS 215 ECON 201 EDES 123 ENGL 310 GEOL 201 MATH 141 MATH 182 PHYS 141 Select from tl PHYS 142 CHEM 124 CHEM 127 STAT 251 or STAT 312	Soil Mechanics Engineering Surveying Construction Surveying Legal Responsibilities of Business Financial Accounting for Nonbusiness Majors Financial Accounting Managerial Accounting Survey of Economics (D2) Principles of Environmental Design (E) Corporate Communication (GWR) Physical Geology Calculus I (B4) Calculus for Arch & CM (GE Electives) General Physics I the following: General Physics II (B1 & B3) General Chemistry for Agriculture and Life Science I	3 4 4 4 4 4 4 4 4 4 4 4 4

GENERAL EDUCATION				
Area A	English Language Communication and Critic Thinking	al		
A1	Oral Communication	4		
A2	Written Communication	4		
A3	Critical Thinking	4		
Area B	B Scientific Inquiry and Quantitative Reasoning			
B1	Physical Science (4 units in Support) ¹	0		
B2	Life Science	4		
В3	One lab taken with either a B1 or B2 course			
B4	Mathematics/Quantitative Reasoning (4 units in Support) ¹	0		
Upper-Divi	sion B (4 units in Major) ¹	0		
Area C	Arts and Humanities			
Lower-divi	sion courses in Area C must come from three different	subject		
C1	Arts	4		
C2	Humanities	4		
Lower-Divi	sion C Elective - Select a course from either C1 or C2	4		
Upper-Divi	sion C	4		
Area D	Social Sciences - Select courses in Area D fr least two different prefixes	om at		
D1	American Institutions (Title 5, Section 40404 Requirement)	4		
D2	Lower-Division D (4 units in Support) 1	0		
Upper-Divi	sion D (4 units in Major) ¹	0		
Area E	Lifelong Learning and Self-Development			
Lower-Divi	sion E (4 units in Support) ¹	0		
Area F	Ethnic Studies	•		
F	Ethnic Studies	4		
GE Electi	ves in Areas B, C, and D	•		
Select cour	ses from two different areas; may be lower-division or u	ıpper-		
division co	urses.			
GE Elective	s (4 units B in Support) ¹	0		
GE Electives (Area C or D)				
Total GE Units 44				
FREE ELECTIVES				
TOTAL DEGREE UNITS				

FOOTNOTES

1 Required in Major or Support; also satisfies General Education (GE) requirement. 2 MATH 142 Calculus II substitutes for MATH 182.



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Technical Electives List				
Select from th	e following:	8		
CE 413	Advanced Civil Computer-Aided Site Design			
CE 429	Highway Pavement Designs			
CE 474	Environmental Compliance and Permitting			
CM 420	Service / Experiential Learning			
CM 421	Emerging Trends			
CM 422	Professional Preparation			
CM 423	Construction Materials / Assemblies			
CM 424	Construction Technology			
CM 425	Sustainability and Environment			
CM 426	International Construction Studies			
CM 475	Real Property Development Principles			
CM 485	Cooperative Education Experience (6 units max)			