

B.S. in Construction Management
Suggested 4-Year Academic Flowchart
WITH GRANITE HEAVY CIVIL MINOR

Updated 7/23/2019

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Introduction to Construction Management CM 102 (2)	Construction Materials and Assemblies CM 113 (2) <small>(Recom: CM 102)</small>	Fundamentals of Construction Management CM 115 (6) <small>(ARCE 106 or CM 113; MATH 141; PHYS 141)</small>	Residential Construction Management CM 214 (5) <small>(CM 115, PHYS 132 or CHEM 124. CM 232[†])</small>	Construction Law CM 334 (2) <small>(CM 115 and BUS 207)</small>	Commercial Construction Management CM 313 (5) <small>(CM 214, ARCE 212)</small>	Jobsite Construction Management CM 413 (5) <small>(CM 313)</small>	Sustainability and the Built Environment CM 317 (4) <small>(Jr. standing; GE Areas A and B) [B7]</small>	Heavy Civil Construction Management CM 314 (5) <small>(CM 239 or BRAE 239; CM 313. Coreq: CM 334)</small>	Specialty Contracting Const Mgmt CM 411 (5) <small>(CM 313)</small>	Management of the Construction Firm CM 443 (3) <small>(CM 334; 335; and 413)</small>	Integrated Project, Design & Program Mgmt CM 450 (5) <small>(STAT 251 or 312; CM 313 and 334)</small>	
Principles of Environmental Design EDES 123 (4) [E]	Construction Materials and Assemblies Lab CM 114 (2) <small>(CM 113[†]; Recom: CM 102)</small>	Select one: Surveying BRAE 239 (4) <small>(MATH 119 or equiv)</small> OR CM 239 (4) <small>(MATH 119 or equiv)</small>	Evaluation of Cost Alternatives CM 232 (3) <small>(MATH 142 or 182)</small>	Survey of Economics ECON 201 (4) [D2]	Introduction to Structural Systems ARCE 226 (3) <small>(ARCE 212)</small>	Construction Accounting CM 335 (2) <small>(BUS 215 and CM 232)</small>	Advanced Civil CAD & Env. Compliance/Permitting CE 413 (2) & CE 474 (2) <small>(replace tech elect)</small>	Senior Project Methodology CM 460 (2) <small>(CM 313, Jr standing)</small>	Highway Pavement Design CE 429 (4) <small>(replace tech elect)</small>	Soil Mechanics ARCE 421 (3) <small>(ARCE 212; GEOL 201)</small>	Senior Project I CM 461 (1) <small>(CM 460 & consent of project advisor)</small>	
Calculus I MATH 141 (4)* [B1]	Calc for Arch & Construction Mgmt MATH 182 (4)¹ <small>(MATH 141)</small>	Select one: PHYS/CHEM PHYS 132 (4)* CHEM 124 (4)* CHEM 127 (4)* [B3 & B4]	Building Information Modeling CM 280 (2) <small>(CE 113 or CM 115)</small>	Financial Accounting BUS 214 (4)	Statistics STAT 251 (4)* OR STAT 312 (4)*	Housing and Communities CM 318 (4) <small>(Jr. Stand.; GE A; GE B1; lower-div GE D) [D5]</small>	Physical Geology GEOL 201 (3) <small>(MATH 119)</small>	Corporate Communication ENGL 310 (4)³ <small>(GE Area A, Recom: Jr Standing) [GWR]</small>		Upper-Div BUS, ECON, or ITP Course (4)*	Senior Project II CM 462 (1) <small>(CM 460 & consent of project advisor)</small>	
	General Physics IA PHYS 141 (4) <small>(MATH 141 w/min C-; MATH 142 or 182[†]) [B3]</small>		Legal Responsibilities of Business BUS 207 (4)	Introductory Experiments in Transportation CE 222 (1)	Managerial Accounting BUS 215 (4) <small>(BUS 212 or 214 or equiv)</small>	Introduction to Structural Design ARCE 315 (4) <small>(ARCE 226)</small>	Fundamentals of Transportation CE 321 (3)			HC Temporary Structures and Shoring CM/CE 436 (4) <small>(CM 314 and ARCE 212)</small>	HC Projects and Equipment CM/CE 437 (4) <small>(CM 314)</small>	
	Expository Writing ENGL 133/134 (4)** [A1]		Structures I & II ARCE 211 (3) & ARCE 212 (3) <small>(PHYS 121 or 141, MATH 142 or 182)</small>			Heavy Civil Coop CM 485 (3) <small>(Required During 2nd or 3rd Summer)</small>	Introduction to Structural Design ARCE 315 (4) <small>(ARCE 226)</small>					
	Oral Communication COMS 101/102 (4)** [A2]				GE (4) **							
	Reasoning, Argumentation, & Writing [A3] COMS 126, COMS/ENGL 145, ENGL 148, or PHIL 126 (4)** <small>(Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.</small>											
14	16	18	17	18	19	19	18	15	17	18	15	
										TOTAL:	204	

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

**One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, C3, C4, C1-C5 elective, D1, and D3. C4 should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection and Graduation Writing Requirement (GWR).

Quarterly advisor meetings are required prior to registration.

[†] Course can be taken previously or concurrently.

¹ MATH 142 Calculus II substitutes for MATH 182.

² Technical Electives. Select 8 units from CM Technical Electives: CM 420, 421, 422, 423, 424, 425, 426, and 485.

³ Course completes GWR requirement with at least a C grade and by passing the in-class essay assignment.

Legend:

Course Title Course # (Units) <small>(Prerequisite)</small>	 Minor Required Courses (15)
[GE Area]	 Electives Directed By Minor (8)
	 Minor Support in Major (24)
	 Currently Required for B.S. (189)