

# B.S. in Construction Management

## Suggested 4-Year Academic Flowchart

Updated 6/18/21

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Construction Management <b>CM 102 (2)</b>	Construction Materials and Assemblies <b>CM 113 (2)</b> <small>(Recom: CM 102)</small>	Fundamentals of Construction Management <b>CM 115 (6)</b> <small>(ARCE 106 or CM 113; MATH 141; PHYS 141)</small>	Residential Construction Management <b>CM 214 (5)</b> <small>(CM 115, PHYS 132 or CHEM 124. CM 232†)</small>	Construction Law <b>CM 334 (2)</b> <small>(CM 115 and BUS 207)</small>	Commercial Construction Management <b>CM 313 (5)</b> <small>(CM 214, ARCE 212; Coreq CM 334)</small>	Jobsite Construction Management <b>CM 413 (5)</b> <small>(CM 313)</small>	Sustainability and the Built Environment <b>CM 317 (4)</b> <small>(Jr Standing; GE Areas A and B) [Upper-Div B]</small>	Heavy Civil Construction Management <b>CM 314 (5)</b> <small>(CM 239 or BRAE 239; CM 313 or CM/CE 371)</small>	Specialty Contracting Const Mgmt <b>CM 411 (5)</b> <small>(CM 313)</small>	Management of the Construction Firm <b>CM 443 (3)</b> <small>(CM 334; 335; and 413)</small>	Integrated Project, Design & Program Mgmt <b>CM 450 (5)</b> <small>(STAT 251 or 312; CM 313 and 334)</small>
	Construction Materials and Assemblies Lab <b>CM 114 (2)</b> <small>(CM 113†; Recom: CM 102)</small>		Evaluation of Cost Alternatives <b>CM 232 (3)</b> <small>(MATH 142 or 182)</small>	Survey of Economics <b>ECON 201 (4)</b>  [D2]	Introduction to Structural Systems <b>ARCE 226 (3)</b> <small>(ARCE 212)</small>	Construction Accounting <b>CM 335 (2)</b> <small>(BUS 215 and CM 232)</small>	Technical Electives (4) <sup>2</sup>  <small>(Jr Standing, or Instr. Consent)</small>	Senior Project Methodology <b>CM 460 (2)</b> <small>(CM 313; Jr Standing)</small>	Technical Electives (4) <sup>2</sup>  <small>(Jr Standing, or Instr. Consent)</small>		Senior Project I <b>CM 461 (1)</b> <small>(CM 460 &amp; consent of project advisor)</small>
Calculus I <b>MATH 141 (4)*</b>  [B4]	Calc for Arch & Construction Mgmt <b>MATH 182 (4)†</b> <small>(MATH 141) [GE Elective]</small>	Select one: PHYS/CHEM <b>PHYS 132 (4)*</b> <b>CHEM 124 (4)*</b> <b>CHEM 127 (4)*</b>	Building Information Modeling <b>CM 280 (2)</b> <small>(CE 113 or CM 115)</small>	Financial Actg Non-Bus MJR <b>BUS 212 (4)</b> OR Financial Accounting <b>BUS 214 (4)</b>	Statistics <b>STAT 251 (4)*</b> OR <b>STAT 312 (4)*</b>	Housing and Communities <b>CM 318 (4)</b> <small>(Jr Stdg.; GE A; GE B1; lower-div GE D) [Upper-Div D]</small>	Physical Geology <b>GEOL 201 (3)</b> <small>(MATH 119)</small>	Corporate Communication <b>ENGL 310 (4)<sup>3</sup></b> <small>(GE Area A. Recom: Jr Standing) [GWR]</small>		Upper-Div BUS, ECON, or ITP Course (4)*	Senior Project II <b>CM 462 (1)</b> <small>(CM 460 &amp; consent of project advisor)</small>
Principles of Environmental Design <b>EDES 123 (4)</b>  [E]	General Physics 1A <b>PHYS 141 (4)</b> <small>(MATH 141 w/min C-; MATH 142 or 182†) [B1]</small>	Select one: Surveying <b>BRAE 239 (4)</b> <small>(MATH 119 or equiv)</small> OR <b>CM 239 (4)</b> <small>(MATH 119 or equiv)</small>	Structures I & II <b>ARCE 211 (3) &amp; ARCE 212 (3)</b> <small>(PHYS 121 or 141, MATH 142 or 182)</small> OR Engineering Statics & Mech of Materials I <b>ME 211 (3) &amp; CE 204 (3)</b> <small>(MATH 241, PHYS 131 or 141)</small>	Managerial Accounting <b>BUS 215 (4)</b> <small>(BUS 212 or 214 or equiv)</small>	Introduction to Structural Design <b>ARCE 315 (4)</b> <small>(ARCE 226)</small>					Soil Mechanics <b>ARCE 421 (3)</b> <small>(ARCE 212; GEOL 201)</small>	
Expository Writing <b>ENGL 133/134 (4)**</b> [A2]			Legal Responsibilities of Business <b>BUS 207 (4)</b>				GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
Oral Communication <b>COMS 101/102 (4)**</b> [A1]				GE (4) **					GE (4) **		GE (4) **
Reasoning, Argumentation, & Writing [A3] <b>COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGS 145 (4)**</b> <small>(Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.</small>						Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small>					
14	16	18	17	17	16	15	15	15	17	14	15
										TOTAL:	189

**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, Lower-Division C, Upper-Division C, D1, F, and GE Elective. Upper-Division C 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.

<sup>1</sup> MATH 142 Calculus II substitutes for MATH 182.

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

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

**Legend:**

Course Title	Major (74)
Course # (Units)	Support (71)
(Prerequisite)	
[GE Area]	General Ed. (44)