

B.S. in Construction Management

Suggested 4-Year Academic Flowchart

Updated 11/28/2016

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) (Recom: CM 102)	Fundamentals of Construction Management CM 115 (6) (ARCE 106 or CM 113; MATH 141; PHYS 141)	Residential Construction Management CM 214 (5) (CM 115, PHYS 132 or CHEM 124, Coreq: CM 232.)	Construction Law CM 334 (2) (CM 115, BUS 207)	Commercial Construction Management CM 313 (5) (CM 214, ARCE 212)	Jobsite Construction Management CM 413 (5) (CM 313)	Sustainability and the Built Environment CM 317 (4) (Jr. Standing, GE Area B) [F]	Heavy Civil Construction Management CM 314 (5) (CM 313; Coreq: CM 334)	Specialty Contracting Construction Management CM 411 (5) (ARCE 212, CM 214, 314, 335)	Technical Electives (3)³ (Jr. Standing, or Instr. Consent)	Integrated Project Delivery CM 415 (4) (CM 413, 480)
Principles of Environmental Design EDES 123 (4) [D4]	Construction Materials and Assemblies Lab CM 114 (2) (Coreq: CM 113; Recom: CM 102)	Surveying BRAE 239 (4) (MATH 119 or equiv) or CM 239 (4) (MATH 119 or equiv)	Evaluation of Cost Alternatives CM 232 (3) (MATH 142 or 182)	Microeconomics ECON 221 (4)	Macroeconomics ECON 222 (4) [D2]	Construction Accounting CM 335 (2) (CM 115, 232, BUS 215)	Technical Electives (4)³ (Jr. Standing, or Instr. Consent)	Senior Project Methodology CM 460 (2) (CM 313, Jr. Standing)	Preconstruction Integration and Planning CM 480 (2) (CM 313)	Management of the Construction Firm CM 443 (3) (CM 413)	Senior Project I CM 461 (1)⁴ (Dept. Consent)
Calculus I MATH 141 (4)¹ * [B1]	Calculus for Architecture and Construction Management MATH 182 (4) (MATH 141)	Select one PHYS or CHEM course: PHYS 132, or CHEM 124, or CHEM 127 (4) * [B3 & B4]	Building Information Modeling CM 280 (2) (Prereq: CM 115; Coreq: CM 313)	Financial Accounting for Non-business Majors BUS 212 (4)	Introduction to Structural Systems ARCE 226 (3) (ARCE 212 or 222)	Introduction to Structural Design ARCE 315 (4) (ARCE 226)	Physical Geology GEOL 201 (3) (MATH 119)	Corporate Communication ENGL 310 (4) (GE Area A, Recom: Jr Standing) [GWR]⁵	GE (4) **	Economics ECON 303 (4) * or ECON 304 (4) * [D5]	GE (4) **
	General Physics 1A PHYS 141 (4) * [B3]		Structures I ARCE 211 (3)² (PHYS 121 or 141; MATH 142 or 182) or Engineering Statics ME 211 (3)² (MATH 241, PHYS 131 or 141)	Structures II ARCE 212 (3)² (ARCE 211) or Mechanics of Materials I CE 204 (3)² (ME 211)	Managerial Accounting BUS 215 (4) *	Statistics STAT 251 (4) * or STAT 312 (4) (MATH 142)	GE (4) **	GE (4) **	GE (4) **	Soil Mechanics ARCE 421 (3) (ARCE 212 or 222; GEOL 201)	GE (4) **
Expository Writing ENGL 133 or 134 (4)** Can be taken anytime during Freshman Year		ENGL 133 or 134 (4)** [A1]	Legal Responsibilities of Business BUS 207 (4)	GE (4) **							
Oral Communication COMS 101 or 102 (4)** Can be taken anytime during Freshman Year		COMS 101 or 102 (4)** [A2]									
		Reasoning, Argumentation, & Writing [A3] COMS 126, COMS/ENGL 145, ENGL 148, or PHIL 126 (4)** (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.				Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					
14	16	18	17	17	16	15	15	15	15	17	14
										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, C3, C4, C1-C5 elective, D1, and D3.

C4, D5 and F 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.

¹ MATH 142 Calculus II substitutes for MATH 182.

² May take ARCE 211 and ARCE 212, or ME 211 and CE 204.

³ Technical Electives. Select 7 units from CM Topic Courses: CM 420, 421, 422, 423, 424, 425, and 426.

⁴ Department recommends that CM 460 be taken prior.

⁵ Course completes GWR requirement with at least a C grade and by passing the in-class essay assignment.

Legend:

Course Title		Major (70)
Course # (Units)		Support (75)
(Prerequisite)		General Ed. (44)
[GE Area]		