

BACHELOR OF SCIENCE IN CIVIL ENGINEERING - 4 YEAR 2 CO-OP OPTION
CURRICULUM OUTLINE - CLASS OF 2021

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	MATH1342 Calculus 2 for Engrs. 4 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE_1501 Cornerstone Eng'g. 1 GE_1000 Intro. to Eng'g. 1 ENGW1111 College Writing 4	MATH2321 Calculus 3 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE_1502 Cornerstone Eng'g. 2 4 Elective General Elective 4	Elective General Elective 4 Elective General Elective 4	Vacation
Year 2 (MC)	MATH2341 Diff. Eq./Lin. Alg. 4 ECON1115 Macro or Micro Economics 4 or 1116 CIVE2221 Statics & Strength 4 CIVE2222 Recitation for CIVE 2221 0 CIVE2334 Environ. Eng'g. 1 4	CIVE2000 Intro. to Eng'g. Coop 1 CIVE2260 Materials 3 CIVE2261 Meas./Matls. Lab 2 CIVE2320 Struct. Analysis 1 4 CIVE2321 Recitation for CIVE2320 0 CIVE2331 Fluid Mechanics 4 Elective General Elective 4	CIVE2324 Concrete Design ** 4 Elective General Elective 4	Co-op
Year 2 (MD)	MATH2341 Diff. Eq./Lin. Alg. 4 CIVE2000 Intro. to Eng'g. Coop 1 CIVE2221 Statics & Strength 4 CIVE2222 Recitation for CIVE 2221 0 CIVE2260 Materials 3 CIVE2261 Meas./Matls. Lab 2 CIVE2334 Environ. Eng'g. 1 4	Co-op	Co-op	Elective General Elective 4 Elective General Elective 4
Year 3 (MC)	ENGW3302 Adv Writing in the Tech Prof (to be taken online) 4 Co-op	CIVE2340 Soil Mechanics 4 CIVE2341 Soil Mechanics Lab 1 GE_3300 Energy Systems: Science, Tech., & Sustainability 4 Elective Civil Tech. Elective 1 4 Elective Civil Project Elective 4	Elective Civil Tech. Elective 2 4 Elective Science Elective 4	Co-op
Year 3 (MD)	GE_3300 Energy Systems: Science, Tech., & Sustainability 4 CIVE2320 Struct. Analysis 1 4 CIVE2321 Recitation for CIVE2320 0 CIVE2331 Fluid Mechanics 4 ECON1115 Macro or Micro Economics 4 or 1116	ENGW3302 Adv Writing in the Tech Prof (to be taken online) 4 Co-op	Co-op	CIVE2340 Soil Mechanics 4 CIVE2341 Soil Mechanics Lab 1 Elective Civil Tech. Elective 1 3/4
Year 4 (MC)	Co-op	CIVE476x Sr. Design Project 5 CIVE3000 Prof. Issues in Eng'g. 1 CIVE3464 Prob./Eng'g. Econ. 4 Elective Civil Tech. Elective 3 3/4 Elective General Elective 4		
Year 4 (MD)	CIVE2324 Concrete Design ** 4 CIVE3000 Prof. Issues in Eng'g. 1 Elective Civil Tech. Elective 2 4 Elective Civil Project Elective 4 Elective Science Elective 4	CIVE476x Sr. Design Project 5 CIVE3464 Prob./Eng'g. Econ. 4 Elective Civil Tech. Elective 3 4 Elective General Elective 4		

Revised 4/1/2016

*ENGW3315 Interdisciplinary Advanced Writing is an acceptable substitution for engineering majors.

**CIVE3425 Steel Design is an acceptable substitution for CIVE2324 Concrete Design.

You will need to have AP credit for Calc. AB (MATH1341 - Calculus 1 - 4 SH) - see advisor

NUpath Requirements through General Electives- NUpath requirements Interpreting Culture (IC) and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

Science Elective: 1 required (Please see the undergraduate catalog for the list of approved Science Electives)

Civil Engineering Technical Electives (TE): 3 required (Please see the undergraduate catalog for the list of Technical Electives)

Civil Engineering Project Elective: 1 required (Either CIVE4542 Foundation Engineering, CIVE5536 Hydrologic Engineering, or CIVE4554 Highway Engineering)

Capstones (Senior Design Project):
 CIVE4765 - Environmental capstone
 CIVE4767 - Structural capstone
 CIVE4768 - Transportation capstone

Course sequence may be changed, subject to prerequisite requirements. Please consult with your advisor: Russ Rakouskas - 220 Snell, 617-373-5503,

The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.