



# University of New Haven

## SAMPLE FOUR YEAR PLAN BS CIVIL ENGINEERING

### Study Abroad Option

The curriculum in our degree programs is structured so that students move through classes in a prescribed order. Prerequisites are important and are strongly enforced. This is the plan for completing this degree in eight semesters, including one semester abroad. Students work closely with their academic advisor to have their courses pre-approved before their semester abroad. Meet with your advisor as soon as you can to discuss a plan of action that works best for you.

FIRST YEAR					
Fall			Spring	STUDY ABROAD	Credits
CC1.1	ENGL 1112 Seminar in Academic Inquiry	3	CC8.1	Global & Intercultural Awareness Elec	3
CC3.1	CHEM1115 General Chemistry I	3	CC9.1	Perspectives on Creative Arts Elec	3
CC3.1	CHEM1117 General Chemistry I Lab	1	MR	EASC1112 Methods Engr Anly	3
MR	EASC1107 Intro to Engineering	3	MR	EASC1120 Chem w/Appl Biosyst	4
CC3.2	MATH1117 Calculus I	4	CC3.2	MATH1118 Calculus II	4
CC2.1	COMM1130 Principles of Communication	3	MR	EASC1101 Short Engineering Reports	1
Total Credits this semester		17	Total Credits this semester		18

SECOND YEAR					
Fall			Spring		Credits
MR	CIVL2203 Elementary Surveying	3		PHYS2205 Electromg&Optics w/lab	4
MR	EASC2211 Modeling Engr Systems	3	MR	CIVL2218 Civil Engineering Syst	3
MR	EASC2213 Materials Engr Systems	3	MR	EASC2222 Mechanics & Matis	3
CC3.2	MATH2203 Calculus III	4	MR	EASC2224 Fluid-Thermal Systems	3
CC4.1	PHYS1150 Mech/Heat/Waves w/lab	4	MR	MATH2 204 Differential Equations	3
Total Credits this semester		17	Total Credits this semester		16

THIRD YEAR					
Fall			Spring		Credits
MR	CIVL2206 Engineering Geology	3	MR	CIVL3398 Civil Engr Internship	0
MR	CIVL3306 Hydraulics	3	MR	CIVL3304 Soil Mechanics	3
MR	CIVL3312 Structural Analysis	3	MR	CIVL3309 Water Resources Engr	3
MR	EASC1109 Project Plan & Develop	2	MR	CIVL3323 Mech & Structures Lab	2
CC7.1	EASC2215 Sustainability, Ethics & Prof Issues	3	MR	EASC2232 Project Mgmt&Engr Econ	3
			MR	CIVL Design Technical Elective♦	3
			CC5.1	UNIV1141 Life on Earth	3
Total Credits this semester		14	Total Credits this semester		17

FOURTH YEAR					
Fall			Spring		Credits
MR	CIVL3301 Transportation Engr	3	MR	CIVL3328 Hydraulics & Envir Lab	2
MR	CIVL3315 Environmental Engr	3	MR	CIVL Technical Elective♦	3
MR	CIVL3327 Soil Mechanics Laboratory	2	MR	CIVL4407 Prof&Ethical Pract Engr	3
MR	CIVL Technical Elective♦	3	MR	CIVL4498 CE Capstone Design II	3
MR	CIVL4497 CE Capstone Design I	3	CC6.1*	History Perspective Elective	3
MR	EASC3345 Applied Engr Statistics	3			
Total Credits this semester		17	Total Credits this semester		14

Courses that do not count as electives or for graduation (included in GPA):	
ENGL1101 Readng or E 102 Read/Spkg	3
ENGL1103 English Fundamentals	3
MATH1103 Math Fundamentals	3
MATH1110 College Algebra	3
MATH1115 Pre-Calculus	4

Minimum Total Credits: 130

Code	
CC	Required University Core Competency - see advisor for selection
MR	Major Requirement - Minimum 2.00 QPR
♦	CIVL Technical Elective Courses Offered (back side): 2 of the 3 courses (6 credits) must be Civil Engineering Design Electives
*	Writing Across Curriculum Course