

UNIVERSITY OF NEW BRUNSWICK
DEPARTMENT OF CIVIL ENGINEERING
162 Credit Hour Program

Term 1			Term 2		
CS 1003•	(4:3,2,1)	Intro. to Computer Prog.	CE 1023	(4:3,3,0)	Statics for Engineers
ENGG1001	(0:1,0,0)	Engineering Practice Lectures	CHEM 1982	(3:3,0,0)	General Chemistry
ENGG1003	(4:2,2,0)	Technical Communication for Engineers	CHEM1987	(2:0,3,0)	General Chemistry Lab
ENGG 1015	(2:1,2,0)	Design & Communications	ESCI 1001	(3:3,0,0)	Earth Origin & Age
MATH 1003•	(3:4,0,0)	Intro. to Calculus I	ESCI 1026	(2:0,3,0)	Geology Lab for Engineers
MATH 1503•	(3:3,0,1)	Linear Algebra	ECON 1073•	(3:3,0,0)	Economics for Engineers
PHYS 1081•	(5:3,3,0)	Found. of Physics for Engg	MATH 1013•	(3:4,0,0)	Intro. to Calculus II
TOTAL:	(21:17,9,2)		TOTAL	(20:16,9,0)	
Term 3			Term 4		
CE 2023	(5:3,3,0)	Mechanics of Materials	CE 2033	(5:3,3,0)	Structural Analysis
CHE 2501	(3:3,0,0)	General Materials Science	CE 2113	(4:3,3*,0)	Soil Mechanics I
CHE 2506	(1:0,1,0)	Materials Science Lab	CE 2703	(4:3,0,1)	Intro. to Fluid Mechanics
GGE 1001	(5:3,3,0)	Intro Geod. & Geomatics	CE 2913	(4:3,2,0)	Numerical Problem Solving
MATH 2513•	(4:4,0,0)	Calculus for Engineers II	CE 2973	(3:2,2,0)	Civil Engineering Design 1
STAT 2593•	(3:3,0,0)	Probability and Statistics			
TOTAL:	(21:16,7,0)		TOTAL:	(20:14,10,1)	
Term 5			Term 6		
CE 3063	(4:3,2,0)	Struct. Steel Design I	CE 3053	(4:3,2,0)	Reinforced Concrete Design I
CE 3123	(4:3,0,1)	Foundation Engineering I	CE 3403	(4:3,3,0)	Intro. to Environ. Eng.
CE 3201	(5:3,3,0)	Transportation Eng.	CE 3713	(5:3,3*,0)	Hydraulics & Hydrology
CE 3513	(4:3,2,0)	Materials for Civil Engineers	CE 3963	(3:3,0,0)	Engineering Economy
CE 3603	(4:3,0,2)	Construction Eng. I	CE 3983	(3:1,3,0)	Civil Engineering Design II
TOTAL:	(21:15,7,3)		TOTAL:	(19:13,11,0)	

Final Year (Term 7 & Term 8)	
CE 4993 X/Y	Senior Team Design Project (Full year 6 ch course – 3 ch per term)
ENGG4013•	Law & Ethics for Engineers (3:3,0,0)
HIST 3925 •	Technology & Society (3:3,0,0) or approved equivalent course
Technical Electives – 19 credit hours required in final year	
Natural Science Elective – 3 credit hours required	
Complementary Studies Electives – 6 credit hours required.	
At least 3 ch must have a substantial writing component, indicated by a [W] in the calendar.	
The final year consists of 40 ch spread over two terms. Although there is flexibility in course selection, it is recommended that each term have a total of 20 credit hours	

Note: Legend for course weights (Credit Hour: Lecture, Lab, Tutorial) • Course (or equivalent course) offered each term

SOCI 2534 is equivalent to HIST 3925

Technical Electives (TE) = 19 ch total (CETE 15-19 ch; NCETE 0-4 ch)

Natural Science Elective (NSE)= 3ch total

Complementary Studies Electives (CSE) = 6 ch total