

Two (2) Year Transfer Option Plan

Term 1 (Year 1 - Fall Semester)			Sem Hrs	Term 2 (Year 1 - Winter Semester)			Sem Hrs
ENGN 1210	Engineering Communications (Community Design Program)	3		ENGN 1220	Engineering Analysis (Community Design Program)	3	
ENGN 1520	Engineering and the Biosphere	3		ENGN 1310	Computer Programming	3	
PHYS 1110	General Physics I	3		PHYS 1120	General Physics II	3	
CHEM 1110	General Chemistry I	3		CHEM 1120	General Chemistry II	3	
MATH 1910	Introductory Calculus I	4		MATH 1920	Introductory Calculus II	4	
UPEI 1010	Writing Studies (or UPEI 1020 or UPEI 1030)	3		STAT 2210	Introductory Statistics I	3	
Term 3 (Year 2 - Fall Semester)				Term 4 (Year 2 - Winter Semester)			
ENGN 2210	Engineering Projects I (Junior Design Clinic)	3		ENGN 2220	Engineering Projects II (Junior Design Clinic)	3	
ENGN 2310	Strength of Materials	3		MATH 3010	Differential Equations	3	
ENGN 2610	Thermo Fluids I	3		ELECTIVE	Discipline-specific (1)	3	
ENGN 2810	Electric Circuits I	3		ELECTIVE	Discipline-specific (2)	3	
MATH 2610	Linear Algebra	3		ELECTIVE	Discipline-specific (3)	3	
MATH 2910	Intermediate Calculus for Engineers	4		ELECTIVE	Discipline-specific (4)	3	
Total Fall Semester Hours		38		Total Winter Semester Hours		37	

Discipline-specific Electives Choices (1-4)		UPEI	UNB				DAL																
Electives indicated with an “X” must be taken. Choose any one of those indicated by a “1”. Choose any two of those indicated by a “2”.		Sustainable Design	Chemical	Civil	Electrical	Mechanical	Chemical	Civil/Env.	Electrical	Mechanical	Mineral	Industrial											
Course #	Course Name																						
ENGN 2120	Geology for Engineers												2						X			X	1
ENGN 2240	Intro to Structural Engineering												2		X								
ENGN 2250	Materials Science												2	X	X		X						
ENGN 2340	Engineering Dynamics												X	X			X				X		X
ENGN 2350	Kinematics and Dynamics												2				X						
ENGN 2420	Fund of Environmental Engineering												2					X					1
ENGN 2430	Engineering Economics												2			X		X	X	X	X	X	X
ENGN 2520	Fund of Process Engineering												2	X				X					1
ENGN 2620	Thermo Fluids II												2	X	X		X		X		X		1
ENGN 2820	Electric Circuits II												2			X				X			1
CS 1610	Digital Systems												2			X				X			1
HUM	Humanities Elective	X		X	X		X	X	X	X	2	X											

Three (3) Year Transfer Option Plan

Term 1 (Year 1 - Fall Semester)		Sem Hrs	Term 2 (Year 1 - Winter Semester)		Sem Hrs
ENGN 1210	Engineering Communications (Community Design Program)	3	ENGN 1220	Engineering Analysis (Community Design Program)	3
PHYS 1110	General Physics I	3	PHYS 1120	General Physics II	3
MATH 1910	Introductory Calculus I	4	MATH 1920	Introductory Calculus II	4
UPEI 1010	Writing Studies (or UPEI 1020 or UPEI 1030)	3	STAT 2210	Introductory Statistics I	3
Term 3 (Year 2 - Fall Semester)			Term 4 (Year 2 - Winter Semester)		
ENGN 1520	Engineering and the Biosphere	3	ENGN 1310	Computer Programming	3
ENGN 2310	Strength of Materials	3	MATH 3010	Differential Equations	3
CHEM 1110	General Chemistry I	3	CHEM 1120	General Chemistry II	3
MATH 2910	Intermediate Calculus for Engineers	4	ELECTIVE	Discipline-specific (1) - Choose ENGN 2250 for UNB ME & UNB ChE - All others choose a Humanities course	3
Term 5 (Year 3 - Fall Semester)			Term 6 (Year 3 - Winter Semester)		
ENGN 2210	Engineering Projects I (Junior Design Clinic)	3	ENGN 2220	Engineering Projects II (Junior Design Clinic)	3
ENGN 2610	Thermo Fluids I	3	ELECTIVE	Discipline-specific (2)	3
ENGN 2810	Electric Circuits I	3	ELECTIVE	Discipline-specific (3)	3
MATH 2610	Linear Algebra	3	ELECTIVE	Discipline-specific (4)	3
Total Fall Semester Hours		38	Total Winter Semester Hours		37

Notes:

A 60% minimum grade is required in each of ENGN 1210, 1220 and 2210.

ENGN 2350 (Kinematics and Dynamics of Machines) is normally only offered in the summer session.

Humanities electives are generally courses in the Faculty of Arts except language and economics courses.