

BACHELOR OF SCIENCE IN CIVIL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2011

	FALL		SPRING		SUMMER 1		SUMMER 2					
Year 1	MTHU241	Calculus 1 for Engrs.	4	MTHU242	Calculus 2 for Engrs.	4	Vacation	Vacation				
	CHMU151	General Chem. for Engrs.	4	PHYU151	Physics 1 for Engrs.	4						
	CHMU153	Recitation for CHMU151	0	PHYU152	Physics 1 Lab	1						
	GEU110	Eng'g. Design	4	PHYU153	ILS for PHYU151	0						
	GEU100	Intro. to Eng'g.	1	GEU111	Eng'g. Prob. Solv. & Comp.	4						
Gen. Educ.	Historical Elective	4	ENGU111	College Writing	4							
Year 2 AA	MTHU341	Calculus 3 for Engrs	4	MTHU343	Diff. Eq./Lin. Alg.	4	Vacation	Co-op				
	PHYU155	Physics 2 for Engrs.	4	CIVU260	Materials	3						
	PHYU156	Physics 2 Lab	1	CIVU261	Meas./Mats. Lab	2						
	PHYU157	ILS for PHYU155	0	CIVU300	Intro. to Eng'g. Co-op	1						
	CIVU221	Statics & Strength	4	CIVU320	Struct. Analysis 1	4						
	CIVU222	Recitation for CIVU221	0	CIVU321	Recitation for CIVU320	0						
CIVU334	Environ. Eng'g. 1	4	ECNU115 or ECNU116	Macro or Micro Economics	4							
Year 2 BB	MTHU341	Calculus 3 for Engrs.	4	Co-op	Co-op	Co-op	Vacation					
	CIVU221	Statics & Strength	4									
	CIVU222	Recitation for CIVU221	0									
	CIVU260	Materials	3									
	CIVU261	Meas./Mats. Lab	2									
	CIVU300	Intro. to Eng'g. Co-op	1									
CIVU334	Environ. Eng'g. 1	4										
Year 3 AA	Co-op			CIVU331	Fluid Mechanics	4	CIVU324	Concrete Design	4			
				CIVU340	Soil Mechanics	4				Elective	General Elective 1	4
				CIVU341	Soil Mechanics Lab	1						
				Elective	Civil Tech. Elective 1	3/4						
				Elective	Science Elective	4						
Year 3 BB	PHYU155	Physics 2 for Engrs.	4	Co-op	Co-op	Co-op	MTHU343	Diff. Eq./Lin. Alg.	4			
	PHYU156	Physics 2 Lab	1				CIVU340	Soil Mechanics	4			
	PHYU157	ILS for PHYU155	0				CIVU341	Soil Mechanics Lab	1			
	CIVU320	Struct. Analysis 1	4									
	CIVU321	Recitation for CIVU320	0									
	CIVU331	Fluid Mechanics	4									
	ECNU115 or ECNU116	Macro or Micro Economics	4									
Year 4 AA	Co-op			CIVE3000	Prof. Issues in Eng'g.	1	Gen. Educ.	Elec.	4			
				CIVE3464	Prob./Eng'g. Econ.	4				General Elective 2	4	
				Elective	Civil Tech. Elective 2	4						
				Elective	Civil Tech. Elective 3	4						
				*ENGL3302	Adv. Writing for Prof.	4						
Year 4 BB	CIVE2324	Concrete Design	4	Co-op	Co-op	Co-op	Gen. Educ.	Soc./Cult. Elective	4			
	CIVE3000	Prof. Issues in Eng'g.	1				Elective	General Elective 1	4			
	Elective	Civil Tech. Elective 1	3/4									
	Elective	Science Elective	4									
	*ENGL3302	Adv. Writing for Prof.	4									
Year 5 AA	Co-op			CIVE476x	Sr. Design Project	5						
				Elective	Civil Tech. Elective 4	4						
				Elective	General Elective 3	4						
				Elective	General Elective 4	4						
Year 5 BB	CIVE3464	Prob./Eng'g. Econ.	4	CIVE476x	Sr. Design Project	5						
	Elective	Civil Tech. Elective 2	4	Elective	Civil Tech. Elective 4	4						
	Elective	Civil Tech. Elective 3	4	Elective	General Elective 3	4						
	Elective	General Elective 2	4	Elective	General Elective 4	4						

Revised 6/22/10

*ENGL3301 is an acceptable substitution for engineering majors.

Students must fill elective slots with the following:

General Education Elective Requirements: 2 required - One Historical Elective and One Social/Cultural Elective

General Elective Requirements: 4 required - Any 4 SH course that is not remedial or repetitive

Science Elective: 1 required - See approved Science elective list on Civil Department website

Civil Engineering Technical Electives (TE): 4 required - This must include either Foundation Engineering, Hydrologic Engineering or Highway Engineering

Capstones (Senior Design Project).

CIVE4765 - Environmental capstone

CIVE4767 - Structural capstone

CIVE4768 - Transportation capstone

Electives may be interchanged. Please consult with your advisor: Tricia Lenihan - 220 Snell, 617-373-2154, t.lenihan@neu.edu