

Curriculum (Class of 2010)

Civil Engineering BS

Last Updated June 1, 2009

	Fall	Spring	Summer 1	Summer 2
Freshman (2005-2006)	MTHU241 Calculus 1 for Engrs. 4 CHMU151 Gen Chemistry for Engrs 4 GEU110 Eng'g Design 4 GEU100 Intro. Eng.'g 1 Hist. or Soc./Cult. Elect. 4	MTHU242 Calculus 2 for Engrs. 4 PHYU151 Physics 1 for Engrs. 4 PHYU152 Physics 1 Lab 1 ENGU111 College Writing 4 GEU111 Prob Solving w Comp. 4	Vacation	Vacation
Sophomore A (2006-2007)	MTHU341 Calculus 3 for Engrs. 4 CIVU221 Statics and Strength 4 CIVU260 Materials 3 CIVU261 Meas./Matls. Lab 2 CIVU334 Environ. Eng.'g 1	CIVU320 Struct. Analysis 1 4 CIVU300 Intro to Eng.'g Co-op 1 MTHU343 Diff. Eqn./Lin. Algebra 4 PHYU155 Physics 2 for Engrs. 4 PHYU156 Physics 2 Lab 1 ECNU115 or 116 Micro/Macrocon. 4	Vacation	Co-op
Sophomore N (2006-2007)	MTHU341 Calculus 3 for Engrs. 4 CIVU221 Statics and Strength 4 CIVU260 Materials 3 CIVU261 Meas./Matls. Lab 2 CIVU300 Intro to Eng.'g Co-op 1 CIVU334 Environ. Eng.'g 1	Co-op	Co-op	Vacation
Middler A (2007-2008)	Co-op	CIVU340 Soil Mechanics 4 CIVU341 Soil Mechanics Lab 1 CIVU331 Fluid Mechanics 4 XXXXxxx Math/Sci. El. 4 CIVUxxx CE Tech. El. No. 1 3/4	CIVU324 Concrete Design 1 4 XXXXxxx General El. No. 1 4	Co-op
Middler N (2007-2008)	CIVU320 Struct. Analysis 1 4 MTHU343 Diff. Eqn./Lin. Algebra 4 PHYU155 Physics 2 for Engrs. 4 PHYU156 Physics 2 Lab 1 ECNU115 or 116 Micro/Macrocon. 4	Co-op	Co-op	CIVU340 Soil Mechanics 4 CIVU341 Soil Mechanics Lab 1 XXXXxxx Gen. El. No. 1 4
Junior A (2008-2009)	Co-op	ENGU302 Tech. Writing 4 CIVUxxx CE Tech. El. No. 2 4 CIVUxxx CE Tech. El. No. 3 4 CIVU500 Prof. Issues 1 XXXXxxx Gen. El. No. 2 4	CIVU464 Prob./Eng.g Econ. 4 Hist. or Soc./Cult. El. 4	Co-op
Junior N (2008-2009)	CIVU324 Concrete Design 1 4 CIVU331 Fluid Mechanics 4 CIVUxxx CE Tech. El. No. 1 3/4 CIVU500 Prof. Issues 1 ENGU302 Tech. Writing 4	Co-op	Co-op	XXXXxxx Gen. El. No. 2 4 Hist. or Soc./Cult. El. 4
Senior AA (formerly Division A) (2009-2010)	Co-op	CIVE476x Senior Design Project 5 CIVExxxx CE Tech. El. No. 4 4 XXXXxxxxx Gen. El. No. 3 4 XXXXxxxxx Gen. El. No. 4 4		
Senior BB (formerly Division N) (2009-2010)	CIVE3464 Prob./Eng.'g Econ. 4 CIVExxxx CE Tech. El. No. 2 4 CIVExxxx CE Tech. El. No. 3 4 XXXXxxxxx Math/Sci. El. 4	CIVE476x Senior Design Project 5 CIVExxxx CE Tech. El. No. 4 4 XXXXxxxxx Gen. El. No. 3 4 XXXXxxxxx Gen. El. No. 4 4		

Students must fill elective slots with the following. Elective slots can be interchanged, but students are encouraged to consult with their advisor.

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

4 General Electives. Any 4 SH University course that is not remedial or repetitive.

1 History and 1 Social/Cultural Elective. Whichever one is not taken during freshman year is taken junior year. Business Minors should take Organizational Behavior (ORGB3209) as their social/cultural elective. See approved History and Social/Cultural elective list on COE website.

1 Math/Science Elective. Upper level course in math, science or engineering science. See approved Math/Science elective list on Department website.

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

Please refer to the following "conversionator" website for a chart of old/new course numbers:
<http://www.northeastern.edu/registrar/crsnumref-leg2udc.html>