

## Bachelor of Science/Master of Science Chemical Engineering CURRICULUM OUTLINE Class of 2018

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

	FALL		SPRING		SUMMER 1	SUMMER 2			
Year 1	<a href="#">MATH1341</a>	Calculus 1 for Engrs.	4	<a href="#">MATH1342</a>	Calculus 2 for Engrs.	4	Vacation	Vacation	
	<a href="#">CHEM1151</a>	General Chem for Engrs.	4	<a href="#">PHYS1151</a>	Physics 1 for Engrs.	3			
	<a href="#">CHEM1153</a>	Recitation for CHEM1151	0	<a href="#">PHYS1152</a>	Physics 1 Lab	1			
	<a href="#">GE1000</a>	Intro to Eng'g.	1	<a href="#">PHYS1153</a>	ILS for PHYS1151	1			
	<a href="#">GE1110</a>	Eng'g. Design	4	<a href="#">GE1111</a>	Eng'g. Probl. Solv. & Comp.	4			
	<a href="#">NU CORE</a>	Arts or Humanities Lvl. 1	4	<a href="#">ENGW1111</a>	College Writing	4			
Year 2 BA	<a href="#">MATH2321</a>	Calculus 3 for Engrs.	4	Co-op	Co-op		<a href="#">CHEM2313</a>	Organic Chemistry 2	4
	<a href="#">CHEM2311</a>	Organic Chemistry 1	4				<a href="#">CHEM2314</a>	Lab for CHEM2314	1
	<a href="#">CHEM2312</a>	Lab for CHEM2311	1				<a href="#">CHEM2320</a>	Rec'tion for CHEM2313	0
	<a href="#">CHEM2319</a>	Recitation for CHEM2311	0				<a href="#">CHEM2320</a>	ChE Thermo. 1	4
	<a href="#">PHYS1155</a>	Physics 2 for Engrs.	3						
	<a href="#">PHYS1156</a>	Physics 2 Lab	1						
	<a href="#">PHYS1157</a>	ILS PHYS1155	1						
	<a href="#">CHME2000</a>	Intro to Eng'g. Co-op	1						
<a href="#">CHME2308</a>	ChE Conservation Princ.	4							
Year 3 ZG	<a href="#">MATH2341</a>	Diff. Eq./Lin. Alg.	4	Co-op	Co-op		<a href="#">ENGW3302*</a>	Adv. Writing for Prof.	4
	<a href="#">BIOL1115</a>	Biology	4				<a href="#">NU CORE</a>	Social Science Lvl. 1	4
	<a href="#">CHME2310</a>	Transport Processes 1	4						
	<a href="#">CHME2311</a>	Lab for CHME2310	2						
	<a href="#">CHME3322</a>	ChE Thermodynamics 2	4						
Year 4 ZG	<a href="#">CHEM3403</a>	Quantum Chem & Spec	4	<a href="#">CHME4510</a>	ChE Kinetics	4	Vacation	Vacation	
	<a href="#">CHEM3404</a>	Lab for CHEM3403	1	<a href="#">CHME5xxx</a>	Senior/Grad Elective 1	4			
	<a href="#">CHME3000</a>	Prof. Issues in Eng'g.	1	<a href="#">Grad. Elect</a>	Grad. Elective 2	4			
	<a href="#">CHME3312</a>	Transport Processes 2	4	<a href="#">CHME7350</a>	Transport Phenomena	4			
	<a href="#">CHME3313</a>	Lab for CHME3312	2						
	<a href="#">CHME7320</a>	ChE Math	4						
Year 5 ZG	Elective	UG General Elective	4	<a href="#">CHME4512</a>	Process Control	4			
	<a href="#">CHME4701</a>	Cpstn 1: Sep. & Proc. Anlys.	4	<a href="#">CHME4703</a>	Cpstn 2: Chem. Proc. Design	4			
	<a href="#">CHME7330</a>	ChE Thermodynamics	4	<a href="#">CHME7340</a>	ChE Kinetics	4			
	<a href="#">Grad. Elect</a>	Grad. Elective 3	4	<a href="#">CHMExxxx</a>	Grad. Special Topics	4			

Revised 09/11/15

\* [ENGW3315](#) is an acceptable substitution for engineering majors.

English course prefixes have changed from ENGL to ENGW. ENGW1111 is equivalent to ENGL1111. ENGW3302 is equivalent to ENGL3302.

NU Core Elective Requirements: 2 required - (One Arts Lvl 1 **OR** Humanities Lvl. 1) **AND** (1 Social Science Lvl. 1)

Electives may be interchanged. Please consult with your advisor in 220SN 617-373-2154

### Students interested in following for the BS/MS program should plan on following the BA pattern of attendance.

Students will be required to meet with an undergraduate advisor to petition to enter the program.

Students are encouraged to meet with their financial aid counselor to review any financial questions.

4 semesters of coursework at Northeastern University must be completed with a minimum GPA of 3.2 to join the BS/MS program.

16SH (4 Courses) from Graduate Program are used towards requirements in Undergraduate Program as general or major requirements.

Graduate electives outside the department curriculum may be applied to the degree requirements by petitioning the department's graduate committee.

The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.