

Bachelor of Science in Chemical 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 CHEM1151	0	PHYU152	Physics 1 Lab	1			
	GEU100	Intro to Eng'g.	1	PHYU153	ILS for PHYU151	0			
	GEU110	Eng'g. Design	4	GEU111	Eng'g. Probl. 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	
	CHMU311	Organic Chemistry 1	4	CHMU313	Organic Chemistry 2	4			
	CHMU312	Lab for CHEM2311	1	CHMU314	Lab for CHMU313	1			
	CHEU308	ChE Conservation Princ.	4	CHEU300	Intro. to Eng'g. Co-op	1			
	CHEU309	Lab for CHEU308	1	CHEU310	Transport Processes 1	4			
	Elective	General Elective 1	4	CHEU320	ChE Thermodynamics 1	4			
Year 2 BA	MTHU341	Calculus 3 for Engrs.	4	Co-op	Co-op	Co-op	CHEU320	ChE Thermo 1	4
	CHMU311	Organic Chemistry 1	4				MTHU343	Diff. Eq./Lin. Alg.	4
	CHMU312	Lab for CHMU311	1						
	CHEU300	Intro. to Eng'g. Co-op	1						
	CHEU308	ChE Conservation Princ.	4						
	CHEU309	Lab for CHEU308	1						
	Elective	General Elective 1	4						
Year 3 AA	Co-op			CHEU312	Transport Processes 2	4	CHEU520	Separations	3
	Co-op			CHEU322	ChE Thermodynamics 2	4	CHEU521	Unit Ops Lab	2
	Co-op			*ENGU302	Advanced Writing	4	Elective	General Elective 3	4
	Co-op			Elective	General Elective 2	4			
Year 3 BA	CHMU313	Organic Chemistry 2	4	Co-op	Co-op	Co-op	CHEU312	Transport Proc. 2	4
	CHMU314	Lab for CHMU313	1				CHEU521	Unit Ops Lab	2
	CHEU310	Transport Processes 1	4				Gen. Educ.	Soc./Cult. Elective	4
	CHEU322	ChE Thermodynamics 2	4						
	*ENGU302	Advanced Writing	4						
Year 4 AA	Co-op			CHEM3403	Physical Chem. 2	4	PHYS1155	Physics 2 for Engrs.	4
	Co-op			CHEM3404	Lab for CHEM3403	1	PHYS1156	Physics 2 Lab	1
	Co-op			CHME3000	Prof. Issues in Eng'g.	1	PHYS1157	ILS for PHYS1155	0
	Co-op			CHME4510	ChE Kinetics	4	Elective	General Elective 4	4
	Co-op			CHME4701	ChE Design 1	4			
	Co-op			Gen. Educ.	Soc./Cult. Elective	4			
Year 4 BA	CHEM3403	Physical Chem. 2	4	Co-op	Co-op	Co-op	Vacation	Vacation	
	CHEM3404	Lab for CHEM3404	1						
	CHME3000	Prof. Issues in Eng'g.	1						
	PHYS1155	Physics 2 for Engrs.	4						
	PHYS1156	Physics 2 Lab	1						
	PHYS1157	ILS for PHYS1155	0						
	CHME3520	Separations	3						
Elective	General Elective 2	4							
Year 5 AA	Co-op			CHME4512	ChE Process Control	4			
	Co-op			CHME4703	ChE Design 2	4			
	Co-op			Elective	Chem. Eng'g. Elective	4			
	Co-op			Elective	Adv. Chem. Elective	1,5			
Year 5 BA	CHME4510	ChE Kinetics	4	CHME4703	ChE Design 2	4	* Chem.Eng'g. Elective may be taken here for this POA		
	CHME4701	ChE Design 1	4	CHME4512	ChE Process Control	4			
	Elective	General Elective 3	4	Elective	Chem. Eng'g. Elective	4			
	Elective	General Elective 4*	4	Elective	Adv. Chem. Elective	1,5			

Revised 05/10/10

* ENGL3301 is an acceptable substitution for engineering majors.

General Education Elective Requirements: 2 required - One Historical Perspective and 1 Social Cultural Perspective

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

Electives may be interchanged. Please consult with your advisor: Lauren Machunis, 220SN, 617-373-2154