

Standard 4-Year Plan

First Year					
First Semester			Second Semester		
Offered	Course	s.h.	Offered	Course	s.h.
ALL	RHET:1030 Rhetoric	4	ALL	MATH:1560 Math II: Multivariable Calculus	4
F/S	MATH:1550 Math I: Single Variable Calculus	4	ALL	MATH:2550 Math III: Matrix Algebra	2
ALL	CHEM:1110 Principles of Chemistry I	4	ALL	CHEM:1120 Principles of Chemistry II	4
F	ENGR:1100 Intro to Eng Problem Solving	3	ALL	PHYS:1611 Intro Physics 1	4
			F/S	ENGR:1300 Intro to Engineering Computing	3
			S	CBE:1000 CBE Dept Seminar	1
15			18		
Second Year					
First Semester			Second Semester		
Offered	Course	s.h.	Offered	Course	s.h.
ALL	Gen Ed: Cultural Perspectives	3	ALL	Gen Ed: Be Creative	3
ALL	MATH:2560 Math IV: Differential Equations	3	ALL	Statistic Elective (CBE:3020, STAT2020, STAT3510)	3
F/S	CHEM2210 or CHEM2230 Organic Chem I	3	F/S	CHEM2220 or CHEM2240 Organic Chem II	3
ALL	ENGR:2130 Thermodynamics	3	F/S	CHEM2021, CHEM241,0 or CHEM2420 Adv Chem Lab	3
F	CBE:2105 Material and Energy Balances	3	S	CBE:3105 ChE Thermodynamics	3
F	CBE:2110 Computational Tools for ChEs	2	S	CBE:3109 Fluid Flow	2
			F/S	CBE:3000 CBE Professional Seminar	1
17			18		
Third Year					
First Semester			Second Semester		
Offered	Course	s.h.	Offered	Course	s.h.
ALL	Elective: Free	3	ALL	Gen Ed	3
ALL	ENGR:2720 Material Science	3	ALL	CBE:3120 Chemical Reaction Engineering	3
F	CBE:3113 Heat and Mass Transfer	3	S	CBE:3150 Thermo/Transport Lab	3
F	CBE:3117 Separations	3	S	CBE:3205 Intro to Biochemical Engineering	3
F	CBE:3125 Chemical Process Safety	3	F/S	Elective: Focus Area	3
F/S	CBE:3000 Professional Seminar	1	F/S	CBE:3000 Professional Seminar	1
16			16		
Fourth Year					
First Semester			Second Semester		
Offered	Course	s.h.	Offered	Course	s.h.
F	CBE:3155 CRE/ Sep Lab	3	ALL	Gen Ed	3
F	CBE:4105 Process Dynamics & Control	3	ALL	Gen Ed	3
F	CBE:4109 ChemE Design I	2	S	CBE:4110 ChemE Process Design II	3
ALL	Elective: Advanced Chemistry	3	ALL	Elective: Focus Area	3
ALL	Elective: Focus Area	3	ALL	Elective: Advance Science	3
ALL	Elective: Focus Area	3	S	CBE:4195 Senior Enriching Activities Seminar	0
F/S	CBE:3000 Professional Seminar	1			
18			15		