2014-15 Degree Plan
Chemical Engineering, BS

School of Engineering: Department of Chemical and Biological Engineering (4 Year Plan)

Term 1	Hours Towards Degree: 15	Hours	Minimum Grade	Notes
	ENGL 110: Composition 1: Exposition	3	C	
!	MATH 162: Calculus I	4	C	
	CHBE 101: Introduction to Chemical Engineering and Nuclear Engineering	1	C	
!	CHEM 121: General Chemistry I	3	C	
	CHEM 123L: General Chemistry I Lab	1	C	
	Humanities Core	3	C	
	Term Hours:	**15**		

Term 2	Hours Towards Degree: 32	Hours	Minimum Grade	Notes
	ENGL 120: Composition III	3	C	
!	MATH 163: Calculus II	4	C	
!	PHYC 160: General Physics I	3	C	
	CS 151L: Computer Programming Fundamentals	3	C	
!	CHEM 122: General Chemistry II	3	C	
	CHEM 124L: General Chemistry II Lab	1	C	
	Term Hours:	**17**		

Term 3	Hours Towards Degree: 49	Hours	Minimum Grade	Notes
!	CHBE 251: Chemical Process Calculations I	3	C-	
!	MATH 264: Calculus III	4	C-	
	PHYC 161: General Physics II	3	C	
	ECON 105: Macroeconomics	3	C	
	CHEM 301: Organic Chemistry I	3	C	
	CHEM 303L: Organic Chemistry Lab I	1	C	
	Term Hours:	**17**		

Term 4	Hours Towards Degree: 65	Hours	Minimum Grade	Notes
!	MATH 316: Differential Equations	3	C-	
!	CHBE 253: Chemical Process Calculations I	3	C-	
!	CHBE 302: Chemical Engineering Thermodynamics	4	C-	
	Basic Science Concentration	3	C	
	Advanced Chemistry Concentration	3	C	
	Term Hours:	**16**		

Term 5 Hours Towards Degree: 82	Hours	Minimum Grade	Notes
! CHBE 311: Introduction to Transport Phenomena	4	C-	
! CHBE 317: Chemical and Nuclear Engineering Analysis	3	C-	
CHBE 361: Biomolecular Engineering	3	C-	
CHBE 318L: Chemical Engineering Lab I	1	C-	
ENGL 219: Technical Writing	3	C	
Advanced Chemistry Concentration	3	C	
Term Hours:	**17**		

Term 6 Hours Towards Degree: 98	Hours	Minimum Grade	Notes
! CHBE 312: Unit Operations	3	C-	
! CHBE 321: Mass Transfer	3	C-	
Basic Engineering Elective	3	C-	
Advanced Chemistry Concentration	3	C-	
CHBE 319L: Chemical Engineering Lab II	1	C-	
CHBE 371: Introduction to Materials Engineering	3	C-	
Term Hours:	**16**		

Term 7 Hours Towards Degree: 115	Hours	Minimum Grade	Notes
CHBE 418: Chemical Engineering Lab III	1	C-	
CHBE 451: Senior Seminar	1	C-	
! CHBE 461: Chemical Reactor Engineering	3	C-	
! CHBE 493L: Chemical Engineering Design	3	C-	
Technical Elective	3	C-	
Humanities	3	C	
Social Science	3	C	
Term Hours:	**17**		

Term 8 Hours Towards Degree: 132	Hours	Minimum Grade	Notes
CHBE 419L: Chemical Engineering Lab IV	2	C-	
! CHBE 454: Process Dynamics and Control	3	C-	
! CHBE 494L: Advanced Chemical Engineering Design	3	C-	
Technical Elective	3	C	
Fine Arts	3	C	
Second Language Core	3	C	
Term Hours:	**17**		

Crucial course: ! (A crucial course is a predictor for success in obtaining this degree. It should be taken in the term indicated in order to ensure timely progress to graduation.)

Degree Plan Notes

- Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative grade point average for admission to and graduation from the College of Arts and Sciences. Minimums listed for the individual courses do NOT meet the cumulative minimum.