

CHEMICAL ENGINEERING DEGREE AUDIT

Name:

BANNER ID:

Indicate Grade for Rowan Course; Transfer Course/Off-campus = TR, Advanced Placement = AP

Indicate General Education courses = GenEd: History, Humanities, Language = HHL1, HHL2;

Social & Behavioral Sciences = SBS, Art, Music, Theatre, etc = ART;

Multicultural/Global = MG, Literature intensive = LIT, Senior Clinic II = Writing Intensive, WI

FIRST YEAR

FALL			SPRING		
Composition I COMP01.111	3		General Education	3	
Accelerated Calculus I MATH 01.140	4		Accelerated Calculus II MATH 01.141	4	
Advanced College Chemistry I CHEM06.105	4		Advanced College Chemistry II CHEM06.106	4	
Fresh. Engineering Clinic I ENGR01.101	2		Fresh. Engineering Clinic II ENG01.102	2	
Intro to Sci Prog CS01.104 (3 CR) OR Intro Prgm CS01.102 (3 CR) OR Comp Sci & Prgm. CS04.103 (4 CR)	3		Introductory Mechanics PHYS02.200	4	
Total	16		Total	17	

SECOND YEAR

FALL			SPRING		
Principles Chemical Processes I CHE06.201	2		Principles Chemical Processes II CHE06.302	2	
Math for Engineering Analysis I MATH01.235	4		Math for Engineering Analysis II MATH01.236	4	
Biological Systems & Applications BIOL01.210	4		Fluid Mechanics I ENGR01.341	2	
Organic Chemistry I CHEM07.200	4		Approved Advanced Chemistry Elective I ¹	3	
Soph. Engineering Clinic I ENGR01.201	4		Soph. Engineering Clinic II ENGR01.202	4	
Total	18		Total	15	

THIRD YEAR

FALL			SPRING		
Chemical Engineering Thermodynamics I CHE06.310	3		Chemical Engineering Thermodynamics II CHE06.315	3	
Separation Processes I CHE06.312	2		Separation Processes II CHE06.314	4	
Process Fluid Transport CHE06.309	2		Chemical Reaction Engineering CHE06.316	4	
Junior Engineering Clinic I ENGR01.301	2		Junior Engineering Clinic II ENGR01.302	2	
Heat Transfer Processes CHE06.311	2		General Education (____)	3	
Material Science ENG01.281	2				
Microeconomics ECON04.102	3				
Total	16		Total	16	

FOURTH YEAR

FALL			SPRING		
Chemical Process Component Design CHE06.401	4		Chemical Plant Design CHE06.406	3	
Unit Operations Experimental Design & Analysis CHE06.403	2		Unit Operations Lab CHE06.404	2	
Approved Advanced Chemistry Elective II	3		Process Dynamics & Control CHE06.405	3	
Approved Chemical Engineering Elective I CHE06.____	3		Approved Chemical Engineering Elective II CHE06.____	3	
Senior Engineering Clinic I ENGR01.401	2		Senior Engineering Clinic II ENGR01.402	2	
General Education (____)	3		General Education (____)	3	
Total	17		Total	16	

TOTAL **131**

Cumulative GPA

Notes:

¹ Industrial Organic Chemistry will be scheduled as the default choice

General Education Checklist

	ACE
	SBS
	HHL-1
	HHL-2
	LIT
	M/G