

## 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
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

### 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 <sup>1</sup>	3
Soph. Engineering Clinic I ENGR01.201	4	Soph. Engineering Clinic II ENGR01.202	4
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>

### 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		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

### 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
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

**TOTAL                      131**

Cumulative GPA

Notes:

<sup>1</sup> Industrial Organic Chemistry will be scheduled as the default choice

General Education Checklist

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