

Courses in **bold** require minimum grade of C-

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	16	Fall Semester	17	Fall Semester	16	Fall Semester	17
Freshman Clinic 1 (ENGR 01101)	2	Sophomore Clinic 1 (ENGR 01201)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
<b>Chemistry I (CHEM 06100)</b>	4	<b>Calculus III (MATH 01230)</b>	4	Process Fluid Transport (CHE06309)	2	<b>Chem. Process Component Design (CHE06401)</b>	4
<b>Calculus I (MATH 01130)</b>	4	<b>Princ. Chemical Processes I (ChE 06201)</b>	2	<b>ChE Thermodynamics I (CHE06310)</b>	3	Unit Opns Exper. Design & Analysis (CHE06403)	2
Intro to Sci. Progr. (CS01104)	3	Organic Chemistry I (CHEM07200)	4	Heat Transfer Processes (CHE06311)	2	Process Dynamics & Control (CHE06405)	3
<i>Rowan Core elective</i>	3	Approved Biological Science Elective*	3	<b>Separation Processes I (CHE06312)</b>	2	Approved ChE Elective I (CHE06___)	3
		<i>*Bio for Chem. Engineers (BIOL 01211) will be default.</i>		ChE Materials (CHE06381)	2	Approved ChE Elective II (CHE06___)	3
		<i>Altern.: Bio I: Diversity, Evol., Adap.; Gen Bio: Envir. Focus;</i>		<i>Rowan Core elective</i>	3		
		<i>Gen Bio: Human Focus; Human Anat. &amp; Phys.; Hum Bio.</i>					
Spring Semester	17	Spring Semester	16	Spring Semester	16	Spring Semester	16
Freshman Clinic 2 (ENGR 01102)	2	Sophomore Clinic 2 (ENGR 01.202)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
<b>Calculus II (MATH 01.131)</b>	4	<b>Math for Engrg Analysis (MATH 01235)</b>	4	Separation Processes II (CHE06314)	4	Chemical Plant Design (CHE06406)	3
<b>Introductory Mechanics (PHYS 00222)</b>	4	<b>Principles Chemical Processes II (CHE06202)</b>	2	ChE Thermodynamics II (CHE06315)	3	Unit Operations Lab (CHE06404)	2
<b>Chemistry II (CHEM 06101)</b>	4	<b>ChE Fluid Mechanics (CHE06241)</b>	2	<b>Chem Reaction Engineering (CHE06316)</b>	4	Approved ChE Elective III (CHE06___)	3
College Comp I (COMP 01111)	3	Approved Advanced Chemistry Elective *	4	<i>Rowan Core elective</i>	3	Approved ChE Elective IV (CHE06___)	3
		<i>*Industrial Org. Chem - default choice</i>				<i>Free Elective</i>	3

**Total Credits**

**131**

**University Requirements**

The *Rowan Core* is the University's general education model. It is based on six literacies and *Rowan Experience* (see below) that reflect contemporary priorities while maintaining a strong liberal arts foundation. Some literacies are incorporated in your major-specific courses. Others you will fulfill by taking elective courses in the required literacy.

<input type="radio"/>	Artistic (ARTL)	3	Rowan Core Elective
<input type="radio"/>	Global (GLBL)	3	Rowan Core Elective
<input type="radio"/>	Humanistic (HUML)	3	Rowan Core Elective
<input type="radio"/>	Literature Intensive (LIT)		