

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

First Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	17	Fall Semester	14	Fall Semester	14	Fall Semester	16
First Year Eng. Clinic I (ENGR 01101)	2	Sophomore Clinic I (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>	3
<b>Calculus I (MATH 01130)</b>	4	<b>Princ. Chemical Processes I (ChE 06201)</b>	2	<b>ChE Thermodynamics I (CHE06310)</b>	3	Process Dynamics & Control (CHE06405)	3
<b>Introductory Mechanics (PHYS 00222)</b>	4	Organic Chemistry I (CHEM07200)	4	Heat Transfer Processes (CHE06311)	3	<b>Chemical Process Safety (CHE06407)</b>	2
<i>Rowan Core elective</i>	3			<b>Separation Processes I (CHE06312)</b>	2	Approved ChE Elective I (CHE06__)	3
<i>(Artistic or Humanistic)</i>				<b>Chemical Eng. Modeling (CHE06385)</b>	2	<i>Rowan Core elective (Global + LIT)</i>	3
Spring Semester	16	Spring Semester	15	Spring Semester	14	Spring Semester	14
First Year Eng. Clinic II (ENGR 01102)	2	Sophomore Clinic II (ENGR 01202)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
<b>Calculus II (MATH 01131)</b>	4	<b>Math for Engrg Analysis (MATH 01235)</b>	4	Separation Processes II (CHE06314)	3	Chemical Plant Design (CHE06406)	3
<b>Chemistry II (CHEM 06101)</b>	4	<b>Principles Chemical Processes II (CHE06202)</b>	2	ChE Thermodynamics II (CHE06315)	3	Unit Operations Lab (CHE06403)	3
College Comp I (COMP 01111)	3	<b>ChE Fluid Mechanics (CHE06241)</b>	2	<b>Chem Reaction Engineering (CHE06316)</b>	4	Approved ChE Elective II (CHE06__)	3
<i>Rowan Core elective</i>	3	Approved Advanced Chemistry Elective *	3	ChE Materials (CHE06381)	2	Approved ChE Elective III (CHE06__)	3
<i>(Artistic or Humanistic)</i>		<i>*Industrial Org. Chem - default choice</i>					

Total Credits

120

**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)		