

Students Entering Sept 2021 and beyond

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

First Year		Sophomore Year		Junior Year		Senior Year	
Fall Semester	17	Fall Semester	17	Fall Semester	14	Fall Semester	14
First-Year Eng. Clinic I (ENGR 01101)	2	Sophomore Clinic I (ENGR 01201)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
Chemistry I lecture/lab (CHEM 06100/CHEM L6100)	4	Calculus III (MATH 01230)	4	Process Fluid Transport (CHE06309)	2	Chem. Process Component Design (CHE06401)	3
Calculus I (MATH 01130)	4	Princ. Chemical Processes I (ChE 06201)	2	ChE Thermodynamics I (CHE06310)	3	Process Dynamics & Control (CHE06405)	3
Introductory Mechanics lecture/lab (PHYS 00220/PHYS L0220)	4	Organic Chemistry I (CHEM07200/CHEM L7200)	4	Heat Transfer Processes (CHE06311)	3	Unit Operations Lab (CHE06403)	3
<i>Rowan Core elective (Artistic or Humanistic)</i>	3	<i>Rowan Core elective (Global + LIT)</i>	3	Separation Processes I (CHE06312)	2	Approved ChE Elective I (CHE06___)	3
				Chemical Eng. Modeling (CHE06385)	2		
Spring Semester	16	Spring Semester	15	Spring Semester	14	Spring Semester	13
First-Year Eng. Clinic II (ENGR 01102)	2	Sophomore Clinic II (ENGR 01202)	4	Junior Clinic (ENGR 01303)	2	Senior Clinic (ENGR 01403)	2
Calculus II (MATH 01131)	4	Math for Engrg Analysis (MATH 01235)	4	Separation Processes II (CHE06314)	3	Chemical Plant Design (CHE06406)	3
Chemistry II lecture/lab (CHEM 06101/CHEM L6101)	4	Principles Chemical Processes II (CHE06202)	2	ChE Thermodynamics II (CHE06315)	3	Chemical Process Safety (CHE06407)	2
College Comp I (COMP 01111)	3	ChE Fluid Mechanics (CHE06241)	2	Chem Reaction Engineering (CHE06316)	4	Approved ChE Elective II (CHE06___)	3
<i>Rowan Core elective (Artistic or Humanistic)</i>	3	Approved Advanced Chemistry Elective *	3	ChE Materials (CHE06381)	2	Approved ChE Elective III (CHE06___)	3
		<i>*Recommended: Organic Chemistry II, Industrial Organic Chemistry, or Analytical Chemistry</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)		