

## Ithaca College – Clarkson, Cornell, RPI and others 3–2 Engineering Program

### Recommended Curriculum, Years 1–3

Fall			Spring		
<b>First Year</b>					
	Num	Cr		Num	Cr
Principles of Chemistry	CHEM-12100	4	Organic Chemistry	CHEM-22100	3
Topics in Chemistry and Biochem	CHEM-12000	1	Principles of Physics II	PHYS-11800	3
Principles of Physics I	PHYS-11700	4	Calculus II	MATH-11200	4
Calculus I	MATH-11100	4	Experimental Chemistry I	CHEM-12400	2
Elective		3	Writing Course <sup>(1)</sup>	WRTG-1xx00	4
	Total	16		Total	16
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<b>Second Year</b>					
	Num	Cr		Num	Cr
Organic Chemistry	CHEM-22200	3	Quantitative Chemistry	CHEM-23200	3
Experimental Chemistry II	CHEM-22500	2	Experimental Chemistry III	CHEM-32400	3
Principles of Physics III	PHYS-21700	4	Physical Chemistry II	CHEM-33200	3
Calculus III	MATH-21100	4	Principles of Computing Science I	COMP-17100	4
Elective		3	Elective		3
	Total	16		Total	16
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<b>Third Year</b>					
	Num	Cr		Num	Cr
Experimental Chemistry V	CHEM-32600	3	Experimental Chemistry IV	CHEM-32500	3
Physical Chemistry I	CHEM-33100	3	Seminar	CHEM-48800	1
Inorganic Chemistry	CHEM-34200	3	Linear Algebra <sup>(2)</sup>	MATH-26100	3
Seminar	CHEM-48700	1	Electives		9
Linear Algebra <sup>(2)</sup>	MATH-26000	3		Total	16
Elective		3			
	Total	16			

- 1) All students must complete WRTG-10800, or 11100, or 16400 and be certified as meeting the H&S writing effectiveness requirement.
- 2) Students should consult with the Mathematics Department before taking Linear Algebra.

#### Requirements During Three Years at Ithaca College

1. A minimum of 90 credit hours at Ithaca College that includes the science courses listed above.
2. Specific engineering programs may require additional or alternate courses.
3. For completion of the five-year program completion of the Ithaca College School of Humanities and Sciences General Education Requirement is expected through a combination of courses taken at the College and courses transferred from the engineering school. Students should plan electives carefully and in consultation with their advisor.