

First Year 2012-13			Second Year 2013-14		Third Year 2014-15		Fourth Year 2015-16		Fifth Year 2016-17	
Fall	Winter	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
0303-201 Fund of IE	0303-343 Mat'l Prc/Lab	0303-204 Comp Tools	ISEE-200 Computing for Engineers	MECE-200 Fundamentals of Mechanics		ISEE-350 Eng Mgmt	ISEE-410 Simulation		ISEE-497 Senior Design I	ISEE-498 Senior Design II
1011-208 College Chem	1017-311/369 Univ Phys I/A	1017-312T Univ Phys IITr	PHYS-212 University Physics II	ISEE-250 Eng Economy		ISEE-323 Facilities Planning	ISEE-460 Statistical Quality Control		ISEE-561 Linear Regression Analysis	Professional Elective #2
1016-271 Calc A	1016-272 Calc B	1016-273 Calc C	MATH-221 Multivar Calculus	MATH-233 Linear Sys and Diff Eq		ISEE-301 Operations Research	ISEE-420 Production Control		Professional Elective #1	Professional Elective #3*
First Year Writing	Liberal Arts Core	Liberal Arts Core	CQAS-251 Prob & Stat for Eng I	CQAS-252 Prob & Stat for Eng II		ISEE-330 Ergo & Human Factors	ISEE-421 Design & Analysis of Prod Syst		Free Elective #1	Free Elective #2
Discovery	Pathways	Liberal Arts Core	Univ Arts & Science Perspectives #3	Univ Arts & Science Perspectives #4		MECE-305 Materials Science	Univ Arts & Science Conc #1		Univ Arts & Science Conc #2	Univ Arts & Science Conc #3
17	17	17	17	17		17	15		15	15

Year	Fall	Winter	Spring	Summer	Credits
1	Class (17)	Class (17)	Class (17)	Vacation	51 Qch
2	Class (17)		Class (17)	Vacation	34 Sch
3	Co-op		Class (17)	Co-op	17 Sch
4	Class (15)		Co-op	Co-op	15 Sch
5	Class (15)		Class (15)	Job	30 Sch
Total Credits: 51 Qch / 96 Sch = 130 Sch					

Transitional Advising Notes:

- **Must take PB Calculus III (1016-283) or equivalent transfer class (requires prior approval) during Summer 2013. Class is pre-requisite for 3 scheduled classes for Fall 2013.**
- PB Calculus III counts towards Math/Science Requirements (see red blocks below)
- Take Physics II in Fall 2013 (course is different than quarter-based Phys II)

Liberal Arts: Core: 16 Qch / 6 Sch Conc: 0 Qch / 9 Sch = **25.7 Sch**  
 Other General Education: 0 Qch / 3 Sch = **3 Sch**

Math/Science: 24 Qch/18 Sch = **34 Sch** (ABET min = 32)

Engineering Topics: 9 Qch/51 Sch = **57 Sch** (ABET min = 48)

Co-op: 2 summers (24 weeks), 2 semesters (30 weeks) = **54 weeks**

**Gen Ed Total 62.7 Sch**  
**NYS Min = 60**

○One PE may be used to take an approved course that is not an engineering topic