Computer Engineering Template

Fresh 1 Fall	Qtr 1	MATH 121 Calculus I 4 cr	ENGR 100 CAD 1 cr	CHEM 101 Chemistry I 3.5 cr	ENGR 101 Freshman Design I 2 cr	CS 121 Computation Lab I 1 cr	ENGL 101 3 cr UNIV 101 1 cr
Fresh 2 Winter	Qtr 2	MATH 122 Calculus II 4 cr	PHYS 101 Physics I 4 cr	CHEM 102 Chemistry II 4.5 cr	ENGR 102 Freshman Design II 2 cr	CS 122 Computation Lab II 1 cr	ENGL 102 3 cr UNIV 101 .5 cr
Fresh 3 Spring	Qtr 3	MATH 200 Multivariable Calculus 4 cr	PHYS 102 Physics II 4 cr	BIO 141 Essential Biology 4.5 cr	ENGR 103 Freshman Design III 2 cr	CS 123 Computation Lab III 1 cr	ENGL 103 3 cr UNIV 101 .5 cr
Soph 1 Fall/Sp	Qtr 4	ENGR 231 Linear Eng Systems 3 cr	PHYS 201 Physics III 4 cr	ENGR 220 Materials 4 cr	ECE 200 Logic 3 cr	ENGR 201 Evaluation & Presentation of Experimental Data 3 cr	
Soph 2 W/Su	Qtr 5	ENGR 232 Dynamic Eng Systems 3 cr	MATH 221 Discrete Math 3 cr	ECE 203 Programming for Eng 3 cr	ECE 201 Circuits 3 cr	ENGR 202 Evaluation & Presentation of Experimental Data 3 cr	
Pre-J 1 Fall/Sp	Qtr 6	ECEC 301 Adv Prog for Eng 3 cr	ECES 302 Transform Methods 4 cr	ECEC 302 Digital System Proj 4 cr	ECEL 301 (or ECEL 311) ECE Lab. I 2 cr	General Education Elective 3 cr	
Pre-J 2 W/Su	Qtr 7	ECEC 304 Design with Microcontrollers 4 cr	ECEC 355 Computer Architecture 4 cr	Free Elective 3 cr	ECEL 302 (or ECEL 312) ECE Lab. II 2 cr	General Education Elective PHIL 315 Engineering Ethics 3 cr	

Junior 1 Fall/Sp	Qtr 8	ECEC 356 Embedded Systems 4 cr	ECEC 357 Intro Computer Networking 4 cr	CS 265 Adv Programming Techniques 3 cr	ECEL 303 ECE Lab. III 2 cr	General Education Elective 3 cr	ECE 391 Intro to Design 1 cr (Spring)
Junior 2 W/Su	Qtr 9	ECE 361 Probability for Engineers OR ECE 362 Engineering Statistics 3 cr	ECEC 353 Systems Programming 3 cr	CS 260 Data Structures 3 cr	ECEL 304 ECE Lab. IV 2 cr	General Education Elective 3 cr	ECE 391 Intro to Design 1 cr (Winter)
Senior 1 Fall	Qtr 10	ECE 491 Senior Design I 2 cr	CE Elective 3 cr	ECE Elective 3 cr	Free Elective 3 cr	General Education Elective 3 cr	
Senior 2 Winter	Qtr 11	ECE 492 Senior Design II 2 cr.	CE Elective 3 cr	ECE Elective 3 cr	Free Elective 3 cr	General Education Elective 3 cr	
Senior 3 Spring	Qtr 12	ECE 493 Senior Design III 4 cr.	CE Elective 3 cr	ECE Elective 3 cr	Free Elective 3 cr**	General Education Elective 3 cr	

Notes:

- 192 Credits are needed for graduation. In addition, an ECE student must have a 2.0 cumulative overall GPA and a 2.0 cumulative GPA in their ECE courses.
- ECE Electives are 300-400 level ECE courses. Other COE and BIOMED courses may be taken with ECE department approval.
- CE Electives are 400 level ECEC courses.
- General Education Electives are seven courses taken from the COE approved list. One of these courses must be PHIL 315. The COE approved list is available at this link: http://www.drexel.edu/catalog/degree/engineering-gen-ed.htm

** The number of free elective credits will depend on the individual plan of study. Students who have taken 4 credit CE elective or technical elective courses will need fewer free elective credits. Those who took 3 credit courses will need more. The total of all credits taken must add to at least 192 credits.