Electronics Track (Entry in Fall 2007)

The following describes the quarter-by-quarter curriculum for students entering in the Fall of 2009.

Fresh 1 Fall	Qtr 1	MATH 121 Calculus I 4 cr	ENGR 100 CAD 1cr	CHEM 101 Chemistry I 3.5 cr	ENGR 101 Freshman Design I 2 cr	CS 121 Computation Lab I 1 cr	ENGL 101, 102, 103;
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	UNIV 101 11 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	
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, 202 Evaluation & Presentation of Experimental Data 6 cr	
Soph 2 W/Su	Qtr 5	ENGR 232 Dynamic Eng Systems 3 cr	Choice* 3 cr	FCE 203 Programming for Eng 3 cr	ECE 201 Circuits 3 cr		
Pre-J 1 Fall/Sp	Qtr 6	Free Elective 3 cr	ECES 302 Transform Methods 4 cr	ECEE 302 Electronic Devices 4 cr	ECEL 301 ECE Lab. I 2 cr	General Education Elective 3 cr	
Pre-J 2 W/Su	Qtr 7	MATH 291 Complex & Vector Analy 4 cr	ECEE 352 Analog Electronics 4 cr	Core Elective 4 cr	ECEL 302 ECE Lab. II 2 cr	General Ed. Elective-PHIL 315 Engineering Ethics 3 cr	
Junior 1 Fall/Sp	Qtr 8	ENGR 361 Stat of Engr Systems 3 cr	ECEE 304 EM Fields and Waves 4 cr	Core Elective 4 cr	ECEL 303 ECE Lab. III 2 cr	General Education Elective 3 cr	
Junior 2 W/Su	Qtr 9	Free Elective 3 cr	ECEE 354 Wireless & Optical Elect 4 cr	Core Elective 4 cr	ECEL 304 ECE Lab. IV 2 cr	General Education Elective 3 cr	

Senior 1 Fall	Qtr 10	ECE 491 Senior Design I 2 cr	General Education Elective 3 cr	ECE Tech. Elective 3 cr	Free Elective 3 cr	ECEE 421 Adv Electronics I 4 cr and/or ECEE 471 HF Passive Circuits 4 cr
Senior 2 Winter	Qtr 11	ECE 492 Senior Design II 2 cr	General Education Elective 3 cr	ECE Tech. Elective 3 cr	Free Elective 0-3 cr**	Adv Electronic Circuits I 3 cr and/or ECEE 472 RF Electronics 4 cr
Senior 3 Spring	Qtr 12	ECE 493 Senior Design III 4 cr	General Education Elective 3 cr	ECE Tech. Elective 3 cr		ECEE 434 Digital Electronics 4 cr and/or ECEE 473 Antennas and Radiating Systems 4 cr

Notes:

- 1. Core Electives are 300-level ECE courses from other EE tracks or computer engineering.
- 2. ECE Tech Electives are 300- or 400-level ECE courses from any EE track or computer engineering.
- 3. 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

^{*} Courses here may include PHYS 202 Modern Physics, ENGR 210 Thermodynamics, MATH 221 Discrete Math, CHEM 103 Chemistry III or a BIO/BMES course with Dept. approval

^{**} The number of free elective credits will depend on the individual plan of study. Students who have taken 4 credit EE sequence 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 for the EE degree.