

Sample Engineering Physics Curriculum (for students graduating in Spring 2013)

1st Year Fall: PHYS 131: General Physics I + lab (4)
 CHEM 107+117: General Chemistry I + lab (4)
 MATH 121: Calculus I (4)
 ENGL 101: Writing (4) [unless exempt]
 TIDES Course (1)

1st year Spring: PHYS 132: General Physics II + lab (4)
 CHEM 108+118: General Chemistry II + lab (4)
 MATH 122: Calculus II (4)
 ENGP 141: Statics (3)

2nd Year Fall: PHYS 235: Modern Physics I (3)
 MATH 221: Calculus III (4)
 ENGP 231: Introduction to Design I (3)
 ENGP 201: Circuits (3)
 Public Service Course, e.g. Introduction to Physics Pedagogy (1)

2nd Year Spring: PHYS 236: Modern Physics II (3)
 MATH 224: Applied Mathematics (4)
 ENGP 232: Introduction to Design II (3)
 Engineering Elective: e.g. BMEN 273: Electronics (4)
 Cultural Knowledge Elective 1 (3)

3rd Year Fall: CENG 212: Thermodynamics I (3)
 ENGP 243: Mechanics of Materials (3)
 Engineering Elective: e.g. BMEN 344: Biofluids (3)
 Classical Elective: e.g. PHYS 374: Classical Mechanics (3)
 Cultural Knowledge Elective 2 (3)

3rd Year Spring: ENGP 312: Materials Science and Engineering (3)
 ENGP 360: Nanoscience & Technology (3)
 Contemporary Elective: e.g. PHYS 447: Quantum Mechanics (3)
 Cultural Knowledge Elective 3 (3)
 Cultural Knowledge Elective 4 (3)

Summer: ENGP 331: Summer Design Internship (6)

4th Year Fall: ENGP 431: Team Design Project I (3)
 PHYS 380: Seminar (1)
 Cultural Knowledge Elective 5 (3)

4th Year Spring: ENGP 432: Team Design Project II (3)
 ENGP 353: Advanced Laboratory (3)
 ENGP 317: Computational Physics and Engineering (3)
 Cultural Knowledge Elective 6 (3)