Sample Engineering Physics Curriculum
(for students graduating in Spring 2016)

1st Year Fall:  
PHYS 1310: General Physics I + lab (4)  
CHEM 1070+1170: General Chemistry I + lab (4)  
MATH 1210: Calculus I (4)  
ENGL 1010: Writing (4) [unless exempt]  
TIDES Course (1)

1st year Spring:  
PHYS 1320: General Physics II + lab (4)  
CHEM 1080+1180: General Chemistry II + lab (4)  
MATH 1220: Calculus II (4)  
ENGP 1410: Statics (3)

2nd Year Fall:  
PHYS 2350: Modern Physics I (3)  
MATH 2210: Calculus III (4)  
ENGP 2310: Intro to Design I / Product & Exper Design (3)  
ENGP 2010: Circuits (3)  
Cultural Knowledge Elective 1 (3)  
Public Service Course, e.g. Introduction to Physics Pedagogy (1)

2nd Year Spring:  
PHYS 2360: Modern Physics II (3)  
MATH 2240: Applied Mathematics (4)  
ENGP 2020: Intro to Design II / Comput Concepts & Appl (4)  
Engineering Elective: e.g. BMEN 2730: Electronics (4)  
Cultural Knowledge Elective 2 (3)

3rd Year Fall:  
ENGP 2430: Mechanics of Materials (3)  
Engineering Elective: e.g. ENGP 2420: Dynamics (3)  
Engineering Elective: e.g. BMEN 3440: Biofluids (3)  
Classical Elective: e.g. PHYS 3740: Classical Mechanics (3)  
Cultural Knowledge Elective 3 (3)

3rd Year Spring:  
ENGP 3120: Materials Science and Engineering (3)  
ENGP 3170: Computational Physics and Engineering (3)  
ENGP 3410: Summer Internship I (3)  
ENGP 3530: Advanced Laboratory (3)  
CENG 2120: Thermodynamics I (3)

Summer:  
Summer Internship

4th Year Fall:  
ENGP 4310: Team Design Project I (3)  
ENGP 3421: Summer Internship II (3)  
PHYS 3800: Colloquium (1)  
Cultural Knowledge Elective 4 (3)  
Cultural Knowledge Elective 5 (3)  
Writing Intensive, e.g. ENGP 4880 (1)

4th Year Spring:  
ENGP 4320: Team Design Project II (3)  
ENGP 3600: Nanoscience & Technology (3)  
Contemporary Elective: e.g. PHYS 4470: Quantum Mechanics (3)  
Cultural Knowledge Elective 6 (3)  
ENGP 4891: Service Learning (0)

Important Note:  
This sample schedule shows one of many ways to fulfill all requirements for graduation with an Engineering Physics degree. See the course catalog or the department website (tulane.edu/sse/pep or Google: tulane engineering physics) for more information about the major, including a list of courses that may be used to satisfy the engineering electives requirement, the classical elective requirement, and the contemporary elective requirement. The sequence of courses taken will differ among students depending on interests, future goals, advanced placement status, desired minor in another department, and other factors.

You will need to consult regularly with the Engineering Physics advisor, Prof. Lev Kaplan (lkaplan@tulane.edu), to maintain a program that fits your needs. Senior Design/Internship Coordinator Prof. Norman Horwitz (nhowitz@tulane.edu) and Department Chair Prof. Zhiqiang Mao (zmao@tulane.edu) will also be able to help you with your curriculum and career planning.
Contemporary Elective: e.g. PHYS 4470: Quantum Mechanics (3)