Sample Engineering Physics Curriculum
(for students graduating in Spring 2021)

1st Year Fall:  
PHYS 1310: General Physics I + lab (4)  
CHEM 1070+1075: 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+1085: 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: Product & Experimental Design (3)  
ENGP 2010: Circuits (3)  
ENGP 2011: Electric Circuits Lab (1)  
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 3120: Materials Science and Engineering (3)  
Cultural Knowledge Elective 2 (3)

3rd Year Fall:  
ENGP 2430: Mechanics of Materials (3)  
ENGP 3430: Professional Development I (1)  
Engineering Elective: e.g. PHYS 3620: Microfabrication & Nanotechnology (3)  
Engineering Elective: e.g. ENGP 3370: Processing of Biomaterials (3)  
Cultural Knowledge Elective 3 (3)  
Cultural Knowledge Elective 4 (3)

3rd Year Spring:  
ENGP 3600: Nanoscience & Technology (3)  
ENGP 3530: Advanced Laboratory (3)  
CENG 2120: Thermodynamics I (3)  
ENGP 3440: Professional Development II (1)  
Engineering Elective: e.g. BMEN 2730: Electronics (4)

Summer:  
Summer Internship

4th Year Fall:  
ENGP 4310: Team Design Project I (3)  
PHYS 3800: Colloquium (1)  
ENGP 4890: Service Learning (0)  
Classical Elective: e.g. PHYS 3630: Electromagnetic Theory (3)  
Contemporary Elective: e.g. PHYS 3230: Quantum Information (3)  
Writing Intensive, e.g. ENGP 4880 (1)  
Cultural Knowledge Elective 5 (3)

4th Year Spring:  
ENGP 4320: Team Design Project II (3)  
ENGP 3170: Computational Physics and Engineering (3)  
Engineering Elective: e.g. ENGP 3350: Kinetics of Materials (3)  
Broader Technical Elective, e.g. COSC 3000: C++ (3)  
Cultural Knowledge Elective 6 (3)

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 for your year, Prof. Lev Kaplan (lkaplan@tulane.edu), to maintain a program that fits your needs. Department Chair Prof. Lev Kaplan (lkaplan@tulane.edu) will also be able to help you with your curriculum and career planning.