

Engineering Physics

Recommended Four-Year Plan (Fall 2018)

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. Students must meet with their Major Advisor to develop a more individualized plan to complete their degree. This plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which are not listed in the plan and may extend degree completion.

NOTE: This recommended Four-Year Plan is applicable to students admitted into the major during the 2017-2018 academic year.

First Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
Gen Ed Sci Reasoning: PHYS 116-Physics I w/Calculus Lecture and PHYS 118L-Introductory Physics Lab I	4+1		PHYS 117-Physics w/Calculus II and PHYS 119L Introductory Physics Lab II	4+1	
Gen Ed Quantitative Reasoning: MATH 121-Calculus I	4		MATH 122-Calculus II	4	
Gen Ed: INTD 101-First Year Seminar	4		Gen Ed: CRWT 102-Critical Reading & Writing II	4	
Gen Ed: Social Science Inquiry	4		Gen Ed: Historical Perspectives	4	
Total:	17		Total:	17	

Second Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 214-Modern Physics Lecture WI	4		MATH 305-Differential Equations	4	
MATH 225-Multivariable Calculus	4		CMPS 147-Computer Science I	4	
PHYS 215-Modern Physics Techniques and Measurements	4		PHYS 242-Electronic Circuits & Devices WI	4	
Gen Ed: Studies in Arts & Humanities	4		Gen Ed: Global Awareness	4	
Total:	16		Total:	16	

Third Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS Elective	4		PHYS 323-Electrodynamics I	4	
PHYS 350-Thermodynamics	4		PHYS 322-Advanced Mechanics	4	
PHYS Elective	4		Elective	4	
Elective	4		Elective	4	
Total:	16		Total:	16	

Fourth Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 423-Quantum Mechanics I	4		PHYS Elective	4	
PHYS 431-Experimental Methods WI	4		PHYS 422-Cond. Matter & Nuclear Physics	4	
Elective	4		Elective	4	
Elective	4		Elective	2	
Total:	16		Total:	14	

Total Credits Required: 128 credits

GPA required: 2.0

WI: Writing Intensive-3 required in the major