

Engineering Physics

Recommended Four-Year Plan (Fall 2017)

This 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: INTD 101-First Year Seminar	4		PHYS 117-Physics II w/ Calculus & PHYS 119L-Introductory Physics II Lab	4+1	
Gen Ed/Major: MATH 121-Calculus I	4		MATH 122-Calculus II	4	
Gen Ed/Major: PHYS 116-Physics I w/ Calculus & PHYS 118L-Introductory Physics I Lab	4+1		Gen Ed: CRWT 102-Critical Reading & Writing II	4	
Gen Ed: SOSC 101-Social Issues or BADM 115-Perspectives of Business & Society	4		CMPS 147-Computer Science I	4	
Total:	17		Total:	17	

Second Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 214-Modern Physics WI	4		MATH 305-Differential Equations	4	
MATH 225-Multivariable Calculus	4		Gen Ed: History: HIST 101-110	4	
PHYS 242-Electronic Circuits & Devices WI	4		Elective	4	
Gen Ed: AIID 201-Readings in Humanities	4		Gen Ed: Intercultural North America	4	
Total:	16		Total:	16	

Third Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 323-Electrodynamics I	4		PHYS Course	4	
PHYS 350-Thermodynamics	4		PHYS 322-Advanced Mechanics	4	
Gen Ed: International Issues	4		Gen Ed: Topics in Arts & Humanities or Topics in Social Science	4	
PHYS Course	4		Elective	4	
Total:	16		Total:	16	

Fourth Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 423-Quantum Mechanics I	4		Elective	4	
PHYS 431-Experimental Methods WI	4		PHYS Course	4	
PHYS 215-Modern PHYS Tech & Measurement	4		Elective	4	
Elective	4		PHYS 422-Condensed Matter & Nuclear Physics	4	
Total:	16		Total:	16	

Total Credits Required: 128 credits

GPA: 2.0

WI: Writing Intensive-3 required in the major