

Engineering Physics

Recommended Four-Year Plan (Fall 2010)

This recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. 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 degree completion may take longer.

NOTE: This recommended Four-Year Plan is applicable to students admitted into the major during the 2010-2011 academic year.

First Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
GenEd: INTD 101-First Year Seminar	4		PHYS 115-Physics w/ Calculus II	4	
GenEd/Major: MATH 121-Calculus I	4		MATH 122-Calculus II	4	
GenEd/Major: PHYS 114-Physics I w/ Calculus	4		GenEd: ENGL 180-College English	4	
GenEd: SOSC 101-Social Issues	4		GenEd: History	4	
Total:	16		Total:	16	

Second Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 210-Modern Physics	4		MATH 305-Differential Equations	4	
MATH 223-Calculus III	4		MATH 224-Calculus IV	4	
PHYS 240-Electronics for Scientists I	4		PHYS 241-Electronics for Scientists II	4	
GenEd: AIID 201-Readings in Humanities	4		GenEd: Intercultural North America	4	
Total:	16		Total:	16	

Third Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 323-Electrodynamics I	4		PHYS 324-Electrodynamics II	4	
ENSC 331-Computer Modeling: Environmental Science	4		PHYS 322-Advanced Mechanics	4	
GenEd: International Issues	4		GenEd: Topics Arts & Humanities or Topics Social Science	4	
Elective	4		Elective	4	
Total:	16		Total:	16	

Fourth Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 423-Quantum Mechanics I	4		PHYS 432-Photonics	4	
PHYS 425-Advanced Topics	4		Elective	4	
School Core: Science in Cultural Perspective Course	4		Elective	4	
PHYS 422-Condensed Matter & Nuclear Physics	4		Elective	4	
Total:	16		Total:	16	

Total Credits Required: 128 credits