

Four Year Model Plan of Study for a Major in Physics

Spring 2009

First Year			
Fall Semester		Spring Semester	
Engl 160	3 hours	Engl 161	3 hours
Math 180 ¹	5 hours	Math 181 ¹	5 hours
Chem 112 ¹	5 hours	Phys 141	4 hours
General Education Requirement Course	3 hours	Chem 114 ¹	5 hours
Total	16 hours	Total	17 hours
Second Year			
Fall Semester		Spring Semester	
Math 210	3 hours	Phys 215	4 hours
Phys 142	4 hours	Phys 244	3 hours
Foreign Language	4 hours	Phys 245	4 hours
General Education Requirement Course	3 hours	Math 220	3 hours
General Education Requirement Course	3 hours	Foreign Language	4 hours
Total	17 hours	Total	18 hours
Third Year			
Fall Semester		Spring Semester	
Phys 401 (or 411) ³	4 hours	Phys 402 (or 412) ²	4 hours
Phys 461 (or 481&499) ³	4-5 hours	Phys 441	4 hours
Foreign Language	4 hours	Foreign Language	4 hours
General Education Requirement Course	3 hours	General Education Requirement Course	3 hours
Total	15 hours	Total	15 hours
Fourth Year			
Fall Semester		Spring Semester	
Phys 411 (or 401) ³	4 hours	Phys 412 (or 402) ²	4 hours
Phys 481&499 (or 461) ³	4-5 hours	Phys 425 or 482 ²	4-5 hours
General Education Requirement Course	3 hours	General Education Requirement Course	3 hours
Electives	0-6 hours	Electives	0-6 hours
Total	12 hours	Total	12 hours

1. Math 180 satisfies LAS Quantitative Reasoning requirement and 5 hours of the LAS Natural Sciences requirement. The remaining 8 hours of the LAS Natural Sciences requirement or Analyzing the Natural World requirement is satisfied by Chem 112, 114.
2. Phys 402 or 412, and 425 or 482 are required for the BS degree, but are not required for the BA degree.
3. For these courses the "or" means one course should be taken in the given semester and the other one in a different semester. The suggested ordering is indicated, but there is flexibility as shown in parentheses and the final choice is up to the student.

Note: Physics 141, 142, and 244 are offered every semester. All other physics courses are offered only in the semester indicated.

Note: Students must earn at least 40 hours at the 200, 300, or 400 level at a 4-year college or university. These hours may include hours in the major.

Note: The General Education (GenEd) Requirement for continuing students or new transfer students for fall 2007 is 3 courses in Humanities, 3 courses in Social Sciences, 13 hours of Natural Sciences, and a Cultural Diversity course. For new freshmen for fall 2007, the GenEd Requirement is 9 courses: 2 laboratory courses from Analyzing the Natural World, 1 course from each of Understanding the Individual and Society, Understanding the Past, Understanding the Creative Arts, Exploring World Cultures, and Understanding U.S. Society. The 2 remaining GenEd courses can be taken from any category, and are satisfied by Phys 141 and 142.