

Physics: Physical Chemistry, B.A.

Physics: Physical Chemistry, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
Freshman		
Fall		
CHEM 1110	General Chemistry I	4
PHYSICS 1701	Physics I for Science and Engineering	4
MATH 1420	Calculus I	4
UNIFI/General Education or University Electives		3
Hours		15
Spring		
CHEM 1120	General Chemistry II	4
PHYSICS 1702	Physics II for Science and Engineering	4
MATH 1421	Calculus II	4
UNIFI/General Education or University Electives		3
Hours		15
Sophomore		
Fall		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 2300	Physics III: Theory and Simulation	3
UNIFI/General Education or University Electives		12
Hours		16
Spring		
PHYSICS 4100/5100	Modern Physics	4
UNIFI/General Education or University Electives		12
Hours		16
Junior		
Fall		
CHEM 4420/5420	Physical Chemistry I	3
UNIFI/General Education or University Electives		13
Hours		16
Spring		
CHEM 4430/5430	Physical Chemistry II	3
CHEM 4440/5440	Physical Chemistry Laboratory (or PHYSICS 4110 Modern Physics Lab)	2
UNIFI/General Education or University Electives		9
Hours		14
Senior		
Fall		
PHYSICS 4750/5750	Physics of Modern Materials (or PHYSICS 4500 Biological Physics or PHYSICS 4300 Introduction to Electronics)	3
UNIFI/General Education or University Electives		11
Hours		14
Spring		
UNIFI/General Education or University Electives		11

Physics/Chemistry Elective	3
Hours	14
Total Hours	120