

**College of Sciences
Department of Physics
Suggested Program of Study**

- *This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor, Dr. Elena Flitsiyan, for alternate, new or more appropriate selections.*
- *Prior to enrolling in Chemistry, take Chemistry Placement Test: <http://knightsource.sdes.ucf.edu/placement>*
- *Prior to enrolling in Math, take Math Placement Test: <http://utc.sdes.ucf.edu>*
- *Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the summer. Consult with an advisor to determine if you are exempt.*

Freshman Year - Fall 14 hrs

MAC 2311C Calculus with Analytic Geometry I	4 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
GEP	3 hrs
GEP	3 hrs

Freshman Year - Spring 15 hrs

PHY 2048C General Physics Using Calculus I	4 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
PHY 1931 Freshman Physics Seminar or	1 hr,
CHM 2046L Chemistry Fundamentals Lab	1 hr

Note: Lab may be taken later if seats are not available

GEP	3 hrs
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Sophomore Year - Fall 17 hrs

PHY 2049C General Physics Using Calculus II	4 hrs
MAC 2313 Calculus with Analytic Geometry III	4 hrs
COP 3502C Computer Science I	3 hrs
GEP	3 hrs
GEP	3 hrs

Sophomore Year - Spring 15 hrs

PHY 3101 General Physics Using Calculus III	3 hrs
PHZ 3113 Introduction to Theor Meth of Phys	3 hrs
MAP 2302 Ordinary Differential Equations I	3 hrs
GEP	3 hrs
GEP	3 hrs

Junior Year - Fall 15 hrs

PHY 3802L Intermediate Physics Laboratory	3 hrs
PHY 3323 Electricity and Magnetism I	3 hrs
PHY 3513 Thermal and Statistical Physics	3 hrs
Restricted Elective	3 hrs

Junior Year - Spring 15 hrs

PHY 3220 Mechanics I	3 hrs
PHY 4324 Electricity and Magnetism II	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs

Senior Year - Fall 15 hrs

PHY 4604 Wave Mechanics I	3 hrs
PHY 4912 Independent Research	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring 14 hrs

PHY 4605 Wave Mechanics II	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Physics Exit Test	

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning Outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Physics Common Core Prerequisite Flowchart

