

**Southern Illinois University Edwardsville**  
**BACHELOR OF ARTS - PHYSICS**

This guide provides only a suggested course of study and should be used in consultation with an advisor and the SIUE Undergraduate Catalog, available online at [www.siu.edu/registrar/](http://www.siu.edu/registrar/).

YEAR	FALL	SPRING
1	CHEM 121a General Chemistry I (Intro NSM) 4 CHEM 125a General Chemistry Lab I 1 ENG 101 English Composition I 3 MATH 150 Calculus I (Intro NSM) 5 CS 140 Intro to Computing I or CS 145 Intro to Computing for Engineers 3-4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16-17	PHYS 151 University Physics I 4 PHYS 151L University Physics Lab I 1 CHEM 121b General Chemistry II 4 CHEM 125b General Chemistry Lab II 1 ENG 102 English Composition II 3 MATH 152 Calculus II (Dist NSM) 5 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 18
2	PHYS 152 University Physics II 4 PHYS 152L University Physics Lab II 1 Foreign Language 101 4 MATH 250 Calculus III 4 Intro Fine Arts & Humanities 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	PHYS 201 University Physics III 4 PHYS 201L University Physics Lab III 1 PHYS 251 Waves 4 Foreign Language 102 (IC) 4 Intro Social Sciences 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16
3	PHYS 218 Electronic Measurements or PHYS 314 Modern Data Acquis & Analysis 2-3 PHYS 304 Modern Physics 4 MATH 305 Differential Equations I 3 Intro Fine Arts & Hum or Intro Social Sciences 3 Distribution Social Sciences 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 15-16	PHYS 321 Classical Mechanics or PHYS 323 Statistical Mechanics 4 MATH 321 Linear Algebra I or MATH 355 Engineering Mathematics 3-5 Dist Fine Arts & Humanities 3 Interdisciplinary Studies (IS 364 recom) 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 13-15
4	PHYS 405a Electromagnetic Field Theory 3 PHYS 416 Quantum Mechanics 4 Intergroup Relations (IGR)* 3 ELECTIVE 3 ELECTIVE 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	PHYS 499a Senior Assignment 3 ELECTIVE 3 ELECTIVE 3 ELECTIVE 3 ELECTIVE 2 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 14

\* Course taken to fulfill this requirement may also satisfy another General Education requirement. Refer to the SIUE Undergraduate Catalog for a list of approved courses.

Students may elect to take courses during the summer term to lessen the academic load.

Declaring a Physics Major: To declare a major in Physics it is necessary to have:

1. Completed all Academic Development courses required by the University;
2. Completed any required courses to address high school deficiencies;
3. A minimum grade point average of 2.0 in science and mathematics courses completed as well as a cumulative grade point average of at least 2.0 (on a 4.0 scale) in all courses taken at SIUE;
4. Transfer students must have a 2.0 GPA in science and mathematics courses taken at other institutions as well as a 2.0 GPA in other transferrable course work.

For further information, contact the Physics Department, SL 2331, 650-2472.