Southern Illinois University Edwardsville
BACHELOR OF SCIENCE - 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.siue.edu/registrar/.

YEAR	FALL		SPRING	
1	ENG 101 English Composition I	3	PHYS 151 University Physics I	4
	CHEM 12la General Chemistry I (Intro NSM)	4	PHYS 151L University Physics Lab I	1
	CHEM 125a General Chemistry Lab I	1	CHEM 121b General Chemistry II	4
	MATH 150 Calculus I (Intro NSM)	5	CHEM 125b General Chemistry Lab II	1
	SPC 103 (IGR), 104, or 105 Speech Comm	3	ENG 102 English Composition II	3
			MATH 152 Calculus II (Dist NSM)	5
		16		18
2	PHYS 152 University Physics II	4	PHYS 201 University Physics III	4
	PHYS 152L University Physics Lab II	1	PHYS 201L University Physics Lab III	1
	MATH 250 Calculus III	4	PHYS 251 Waves	4
	PHIL 106 Critical Thinking or		MATH 305 Differential Equations I	3
	MATH 106 Deductive Reasoning	3	Intro Fine Arts & Humanities	3
	CS 140 Intro to Computing I or			
	CS 145 Intro to Computing for Engineers	3-4		
		15-16		15
3	PHYS 218 Electronic Measurements	3	PHYS 314 Modern Data Acquisition & Analysis	2
	PHYS 304 Modern Physics	4	PHYS 321 Classical Mechanics or	
	MATH 321 Linear Algebra I or		PHYS 323 Statistical Mechanics	4
	MATH 355 Engineering Mathematics	3-5	Interdisciplinary Studies (IS 364 recom)	3
	Intro Social Sciences	3	Dist Fine Arts & Humanities	3
	Intro Fine Arts & Hum or Intro Soc Sci	3	Dist Social Sciences	3
		16-18		15
4	PHYS 405a Electromagnetic Field Theory	3	PHYS 321 Classical Mechanics or	
	PHYS 416 Principles of Quantum Mechanics	4	PHYS 323 Statistical Mechanics	4
	PHYS 499a Senior Assignment	3	PHYS 405b Electromagnetic Field Theory	3
	PHYS Elective^	3	PHYS 499b Senior Assignment	2
	International Issues/Culture (II/IC)*	3	Intergroup Relations (IGR)*	3
			ELECTIVE	1
		16		13

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

^ Choose from MATH 465, PHYS 410, PHYS 430, or PHYS 450.

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. 11/25/09