

**Department of Physics
West Chester University of Pennsylvania**

B.S. Physics Curriculum

Semester 1

WRT 120	Effective Writing I	3	G
MAT 161	Calculus I	4	G
	Behavioral & Social Sci	3	G
	Gen. Ed. Free Elective	3	G
CSC 141	Computer Science I	3	G
		16	

Semester 2

WRT 2XX	Effective Writing II	3	G
MAT 162	Calculus II	4	
PHY 170	Physics I	4	
	Humanities Gen. Ed.	3	G
		14	

Semester 3

CHE 103	General Chemistry I	3	G
CRL 103	Exper. Gen. Chem. I	1	
MAT 261	Calculus III	3	
PHY 180	Physics II	4	
	Free Electives	5	
		16	

Semester 4

CHE 104	General Chemistry II	3	
CRL 104	Exper. Gen. Chem. II	1	
MAT 343	Differential Equations	3	
PHY 240	Intro. to Modern Physics	3	
	Interdisciplinary Elect. ¹	3	G
	Free Elective	3	
		16	

Semester 5

PHY 300	Mechanics	3	
PHY 310	Inter. Physics Lab I	2	
PHY 330	Electronics	3	
	Behavioral & Social Sci.	3	G
	Free Elective	3	
		14	

Semester 6

PHY 370	Mathematical Physics	3	
PHY 320	Inter. Physics Lab II	2	
PHY 430	Electricity & Magnetism	3	
PHY	Physics Elective	3	
SPK	Communicat. Gen. Ed.	3	G
		14	

Semester 7

PHY 350	Thermodynamics	3	
PHY	Physics Elective	3	
	Arts Gen. Ed. Elective	3	G
	Humanities Gen. Ed.	3	G
	Gen. Ed. Free Elective	3	G
		15	

Semester 8

PHY 420	Quantum Mechanics	3	
	Diverse Comm. Elective	3	G
	Gen. Ed. Free Elective	3	G
	Free Elective	3	
	Free Elective	3	
		15	

Total number of credits in B.S. Physics Program = 120

- A. Majors shall not be permitted more than one repeat of a Physics course.
- B. Upper level courses (numbered 300 or above) must be completed with a grade of C or better.
- C. All Physics electives must be at the 250 level or above.

¹ SCB 210 recommended, but not required.

'G' denotes a course which fulfills the University's General Education requirement. For a list of approved courses, consult the Undergraduate Catalog.