

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

B.S. Ed. Physics Curriculum

Semester 1

WRT	Writing course	3	G
MAT 161	Calculus I	4	G
	Behavioral & Social Sci.	3	G
SPK	Communicat.Gen. Ed.	3	G
CSC 141	Computer Science I	3	G
		16	

Semester 2

WRT	Writing course	3	G
MAT 162	Calculus II	4	
PHY 170	Physics I	4	
	Behavioral & Social Sci.	3	G
	Elective	3	
		17	

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	
EDP 250	Educational Psych.	3	
		14	

Semester 4

CHE 104	General Chemistry II	3	G
CRL 104	Exper. Gen. Chem. II	1	
EDM 300	Intro. to Instr. Commun.	3	
PHY 240	Intro. to Modern Physics	3	
EDF 300	Democracy & Education	3	
LIT	Humanities Gen. Ed. ¹	3	G
		16	

Semester 5

EDS 306	Prin. Teach. & Field Ex	3	
PHY 300	Mechanics	3	
PHY 310	Inter. Physics Lab I	2	
	Arts General Education	3	G
	Humanities Gen. Ed.	3	G
	Elective ⁴	1	
		15	

Semester 6

PHY 370	Mathematical Physics ²	3	
PHY 320	Inter. Physics Lab II	2	
PHY 430	Electric. & Magnetism ³	3	
EDP 351	Eval. & Measurement	3	
EDA 341	Inclus. and Reading (Satisfies Diverse Comm. Requirement)	3	G
	Elective ⁵	1	
		15	

Semester 7

SCB 350	Sci. Ed. in Sec. Schools	3	
PHY 330	Electronics	3	
	Interdisciplinary Course ⁶	3	G
BIO	Student Elective	3	G
	Student Elective (Astron) (ESS111 or PHY105 required)	3	G
		15	

Semester 8

EDS 411/ 412	Student Teach. & Pract. ⁷	12	
		12	

Total number of credits in B.S. Ed. Physics program = 120

A. Upper level courses (numbered 300 or above) must be completed with a grade of C or better.

¹ A course in Literature needs to be selected.

² MAT 343 may be substituted

³ PHY 410 Optics may be substituted

⁴ PHY 115 recommended but not required

⁵ PHY 116 or PHY 470 recommended but not required

⁶ SCB 210 recommended, but not required.

⁷ Students must take the PRAXIS II exam prior to admission to Student Teaching. Students must also pass the PRAXIS II exam before graduation from the B.S. Ed. Physics program.

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

Formal Admission Requirements for Teacher Education

- Completed 48 college-level credits (Courses must be at the 100 level or higher.)
- Earned a 2.8 cumulative GPA
- Passed PRAXIS PPST examinations in Reading, Writing, and Mathematics
- Earned 3 credits in college-level English composition (WRT) and 3 credits in literature
- Achieved 6 credits in college-level mathematics
- Gained Departmental approval (signature on the Formal Admission form)

You must obtain formal admission to enroll in designated advanced courses. The 2.8 GPA must be maintained to retain your Formal Admission status. A GPA of 3.0 is required for graduation and Pennsylvania Teacher Certification.

Praxis Test Requirements:

All candidates for certification must meet the qualifying score for all applicable tests at the time their application for certification is received by the PA Department of Education.

	METHOD 1 (minimum scores)	METHOD 2 (minimum scores)
* Testing requirements for Praxis I (PPST) can be met through Method 1 or Method 2 (Effective September 15, 2005)	<ul style="list-style-type: none"> Reading – 172 Writing – 173 Mathematics – 173 (meet or exceed); AND Test #0265 "Physics: Content Knowledge" – Score 140 	<ul style="list-style-type: none"> Reading – 171 Writing – 170 Mathematics – 171 COMPOSITE SCORE = 521 (All areas must meet the minimum (see above), and the sum of the three scores must meet or exceed 521.); AND Test #0265 "Physics: Content Knowledge" – Score 140

**When you sign up for any testing include #2659 (Cert Office at WCU) as a score recipient. **

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