

Department of Physics
West Chester University of Pennsylvania

B.S.Ed. Physics Curriculum

Semester 1

MAT 161	Calculus I	4	G
CSC 141	Computer Science	3	
WRT 120	English Composition	3	G
SPK 208 or SPK 230	Public Speaking	3	G
ANT, PSY, SOC, ECO, GEO, PSC	Behavioral & Social Sciences	3	G
		16	

Semester 2

MAT 162	Calculus II	4	
PHY 170	Physics I	4	
WRT 200	English Composition	3	G
LIT 165	Humanities	3	W
_____	Arts	3	G
		17	

Semester 3

MAT 261	Calculus III	4	
PHY 180	Physics II	4	
CHE 103	Chemistry I	3	G
CRL 103	Chemistry I Lab	1	G
PHY 105	Structure of the Universe	3	
EDP 250	Ed. Psych.*	3	
		18	

* includes 20 hours of Stage 1 field experience
(requires clearances)

Semester 4

MAT 343 or PHY 370	Differential Equations or Mathematical Physics	3	
PHY 240	Intro. to Modern Physics	3	
CHE 104	Chemistry II	3	
CRL 104	Chemistry II Lab	1	
EDA 103	Special Ed. I*	3	
EDF 300	Democracy & Education	3	I
		16	

* includes field experience (requires clearances)

Submit application for Formal Admission to Teacher
Education (FATE) at the end of Semester 4

Semester 5

PHY 300	Mechanics	3	
PHY 310	Inter. Physics Lab I	2	W
EDA 304	Special Ed. II*	3	
EDR 347	Literacy Development	3	
_____	Free Elective	3	G
		14	

* includes 20 hours of Stage 2 field experience
(requires clearances)

Semester 6

PHY 320	Inter. Physics Lab II	2	W
LAN 382	Teaching ELL	3	J
EDS 306	Principles of Teaching*	3	W
HIS or PHI	Humanities	3	G
BIO ____	Biology Elective	3	G
_____	Free Elective	3	G
		17	

* includes Stage 3 field experience
(requires clearances)

Semester 7

PHY 330	Electronics	3	
PHY 410	Optics	3	
SCB 350 or SCE 350	Science Education*	3	- W
ANT, PSY, SOC, ECO, GEO, PSC	Behavioral & Social Sciences	3	G
_____	Free Elective	3	G
		15	

Semester 8

EDS 411 & 412	Student Teaching	12	
		12	

* includes Stage 3 field experience
(requires clearances)

Total number of credits in B.S. Ed. Physics program = 125

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

Students must pass the PAPA Reading, Writing, and Mathematics exams prior to admission to Student Teaching. Students must pass the PRAXIS II Physics exam (#10265) before graduation from the B.S.Ed. Physics program. When registering for any PAPA or PRAXIS test, students should include #2659 (the Certification Office at WCU) as a score recipient.

'G' denotes a course that fulfills the University's General Education requirement. 'I' denotes a course that fulfills the General Education Interdisciplinary course requirement. 'J' denotes a course that fulfills the General Education Diverse Communities course requirement. 'W' denotes a course that fulfills the General Education Writing Emphasis course requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.

Requirements for Formal Admission to Teacher Education (FATE)

- Earned a minimum of 48 credits in courses numbered 100 or higher.
- Earned a minimum cumulative GPA of 2.8
- Earned passing scores on the PAPA test modules in Reading, Writing, and Mathematics
- Earned 3 credits in college-level English composition (WRT120)
- Earned 3 credits in college-level English literature (LIT or CLS), defined to be any course in which English is the native language of the authors of the texts required for the course
- Earned 6 credits in college-level mathematics (MAT161 and MAT162)
- Received Departmental approval (indicated by the signature of the B.S.Ed. Program Coordinator on the FATE application form)

A 2.8 GPA must be maintained to retain Formal Admission status. A 3.0 GPA is required for Teacher Certification.

Courses with Field Experiences require clearances. Consult the College of Education information page regarding clearances for more information.