

Missouri State University - College of Natural and Applied Sciences
Department of Physics, Astronomy and Materials Science

Physics Education

B.S. in Education

Updated April 2009

This is a model four year graduation plan. Your path to graduation may vary slightly based on factors such as college credit you earned while in high school, your choice of general education electives, and placement in English and Mathematics.

This degree program can be completed in eight semesters.

First Semester (Fall)		Second Semester (Spring)	
Survey of Physics with lab - PHY 100	4	Calculus II - MTH 280	5
Calculus I - MTH 261	5	Foundations of Physics I - PHY 203	5
Intro to Univ Life - IDS 110	1	General Biology BIO 121	4
Intro to Computing - CSC 111	3	Introductory Psychology PSY 121	3
Writing I - ENG 110	3	Intro to Teaching - EDC 150	1
Fitness for Living - PED 100	2		
Total Hours	18	Total Hours	18
Third Semester (Fall)		Fourth Semester (Spring)	
Multivariate Calculus - MTH 302	3	Basic Astronomy - AST 115	4
Foundations of Physics II - PHY 204	5	Culture and Society/Humanities	3
Writing II: ENG 321 recommended	3	Educational Psychology - PSY 360	3
Public Speaking - COM 115	3	General Methods of Instruction Teaching - SEC 302	4
Ecology and Society - GRY 108	3	American Democracy and Citizenship - PLS 101	3
Total Hours	17	Total Hours	17
Fifth Semester (Fall)		Sixth Semester (Spring)	
Twentieth Century Physics - PHY 375	3	Foundations of Education - EDC 350	3
PHY or AST Elective numbered about 200	2	Capstone Course - GEP 397	3
General Chemistry I - CHM 160	4	US History - HST 121 or 122	3
Topics in Physics - PHY 509	3	Intellectual Foundations Sci & Tech - SCI 505	3
Educ Alt for Exceptional Students - SPE 340	2	Expts in 20th Cent Physics - PHY 385	2
		Reading & Writing in Content - RDG 474	2
Total Hours	14	Total Hours	16
Seventh Semester (Fall)		Eighth Semester (Spring)	
PHY or AST Elective numbered about 200	3	Supervised Teaching - SCI 493	6
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Self-Understanding/Humanities	3		
Self-Understanding/Creativity and Vision	3		
Teaching of Secondary School Science - SCI 414	3		
Total Hours	15	Total Hours	12

GPA Requirements Include: at least a 2.50 GPA on all courses attempted at all colleges attended; at least a 2.50 GPA in the certificate subject area (major field of study); at least a 2.50 GPA in any additional certificate subject area; at least a 2.50 GPA in the professional educational courses; and no grade lower than a "C" in all professional education courses.

Other Requirements Include: CBASE score of 265 or higher or completion of waiver contract to continue in BSED program beyond SEC 302 and for graduation; Praxis II exam must be taken prior to Supervised Teaching semester; must