LINCOLN University
Department of Education
452 Martin Luther King Hall
812 E. Dunklin Street
Jefferson City, MO 65101
Phone: (573) 681-5250
Fax: (573) 681-5257

BSEd in Physics

revised 2/27/2013

Successful completion of the courses listed below will entitle a person to receive the degree BSEd with a major in Physics and will lead to a certificate to teach Physics in the State of Missouri in grades 9-12.

The following courses are the General Education requirements of Lincoln University and Missouri Department of Elementary and Secondary Education (DESE).

_____ GE 101	University Seminar	1
_____ ENG 101	Composition and Rhetoric I	3
_____ ENG 102	Composition and Rhetoric II	3
_____ SPT 206	Fundamentals of Speech	3
_____ PED ___	Physical Education Activity	1
_____ PED 111	Personal and Community Hygiene	2
_____ PSY 101	General Psychology	3
_____ PSC 203	American National Government	3
_____ ____ ___	Humanities Requirement	3
_____ ____ ___	Humanities Requirement	3
_____ HIS 205/206/220	American History Requirement	3
_____ HIS 101/102	A Course in International History	3
_____ CD 200	Cultural Diversity in Modern America	3
_____ EDU 260	Education and Cultural Diversity (or other approved course)	3
_____ ECO 201/SOC 301/SA 201/SA 202		3
	Total	**40**

* BSEd Physics majors may meet their General Education Math requirement with MAT 123

Major Courses

_____ PHY 103/104L	Earth Science and Lab	4
_____ PHY 105/106L	Astronomy and Lab	4
_____ PHY 201	General Physics I	5
_____ PHY 202	General Physics II	5
_____ PHY 301	Mechanics	3
_____ PHY 306	Optics	3
_____ PHY 316	Electricity and Magnetism	3
_____ PHY 320	Modern Physics	3
_____ PHY 330	Heat and Thermodynamics	3
_____ PHY 340L	Advanced Laboratory	1
_____ PHY ___	Upper Division Physics Electives (300-400 Level)	4-6
_____ CHM 101 *	General Chemistry I	4
_____ CHM 102 *	General Chemistry II	4
_____ MAT 123	Analytic Geometry and Calculus I	5

_____ MAT 203	Analytic Geometry and Calculus II	5
_____ MAT 304	Analytic Geometry and Calculus III	5
_____ BIO 103/104L	Principles of Biology	4
_____ BIO 105	Organismal Biology	4
_____ BIO 423	Ecology	
OR		4
_____ ENV 103 & 104L	Environmental Science	
_____ PHI 308	Philosophy of Science	3
* CHM 103/104 may be substituted for CHM 101 & 102	**Total**	**71-73**

Pre-Professional Block I: (These courses must be taken concurrently.)

_____ EDU 202	Observations in Education	1
_____ EDU 204	Educational Psychology (WAC)	3
_____ EDU 270 or EDU451	Instructional Technology	3
_____ SE 221	Introduction to the Exceptional Child	2
		9

Pre-Professional Block II: (These courses may be taken over several semesters.)

_____ EDU 406	School and Society (WAC)	3
_____ EDU 322	Adolescent Psychology	2
		5

The following courses require that the student be admitted into the Teacher Education Program before registration:

Block III

_____ EDU 316	Techniques of Teaching	3
_____ EDU 420	Teaching Reading in the Content Area	3
		6

Block IV

_____ EDU 304	Paraprofessional Training	1
_____ EDU 417S M/M/O:	Teaching Science	2
_____ EDU 435	Classroom Management	3
		6

Block V

_____ EDU 474	Student Teaching in Grades 9-12	10
_____ EDU 475	Seminar in Student Teaching	2
		12

Overall Total: 149

It is recommended that students add the Middle School endorsement (grades 5-9):

_____ EDU 460	Middle School Foundations	3
_____ EDU 416	Reading and Writing in the Middle School	4
_____ EDU 461	Middle School Curriculum & Instruction	2
	Total:	**9**