



BACHELOR of SCIENCE in SCIENCE AND MATHEMATICS EDUCATION (#754/#774)
General Physics Major
 School of Teacher Education
 College of Education and Behavioral Sciences
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	Visit The Learning Center for free tutoring	PHYS 180/181 – Intro to Modern Physics (with a Lab)	4	PHYS 255/256 – University Physics I (with a Lab)
MATH 136 – Calculus I		4	MATH 137 – Calculus II	4
ENG 100 – College Writing		3	HIST 119/120 – Western Civ	3
General Education Course A-III		3	PICK ONE: PHIL 215 / EE 180 / MATH 307	3
SMED 101 – Intro to Inquiry-Based Approaches to Learning		1	SMED 102 – Intro to Inquiry-Based Lesson Design	2
General Education Course c		3	General Education Course F	1
TOTAL CREDIT HOURS		18	TOTAL CREDIT HOURS	18

SECOND YEAR	Fall Semester		Spring Semester	
	Volunteer or Join a Student Organization like Green Toppers	PHYS 265/266 – University Physics II (with a Lab)	5	PHYS 321 – Modern Physics II
MATH 237 – Multivariable Calculus		4	PHYS 301 – Electrical Measurements Lab	1
General Education Course A-II		3	MATH 307 – Linear Algebra	3
SMED 210 – Knowing & Learning		3	CHEM 120/121 – College Chem I (With a Lab)	5
ENG 200 – Intro to Literature		3	SMED 320 – Classroom Interactions	3
TOTAL CREDIT HOURS		18	TOTAL CREDIT HOURS	15

WINTER TERM	Winter Term	
	Why not Study Abroad?	
TOTAL CREDIT HOURS		

THIRD YEAR	Fall Semester		Spring Semester		
	Visit Career Services	PHYS 410 – Physics for Teachers	3	ASTR 405 – Astronomy for Teachers	3
MSS Elective		3	CHEM 470 – Chem. for Teachers	3	
SMED 340 – Perspectives on Math and Science		3	ENG 300 – Writing in the Disciplines	3	
SPED 330 – Diversity in Learning		3	SMED 360 – Research Methods	3	
General Education B		3	Elective	3	
General Education F		1			
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	15	
FOURTH YEAR		Fall Semester		Spring Semester	
Apply for Graduation	GEOL 305 – Earth Systems for Teachers	3	SEC 490 – Student Teaching	10	
	General Education B	3	SMED 489 – Student Teaching Seminar	3	
	SMED 470 – Project Based Instruction	3			
	General Education Course E	3			
	Elective	3			
	<i>Celebrate!</i>	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	13
	Total Credit Hours:122-123				

- Denotes prerequisite courses before admission
- Students seeking admission to the SMED program must earn a grade of C or higher in SMED 101/102 and must meet [requirements for admission to the Teacher Education Program](#).
- **The SMED program requires completion of 34 hours of professional education courses taught by SKyTeach Faculty and Master Teachers.**
- **All professional education courses in Science and Mathematics Education (SMED) require clinical field experiences in order to meet Kentucky Educational Professional Standards Board (EPSB) guidelines**

*PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change.
Consult your advisor each semester.*

For more Information:

Department: School of Teacher Education

Website: www.wku.edu/skyteach

Phone: 270-745-3900

Email:

Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>