



BACHELOR of SCIENCE in SCIENCE AND MATHEMATICS EDUCATION (#730/#774) General Middle Grades Science 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 Visit The Learning Center for free tutoring	Fall Semester		Spring Semester	
	ASTR 104 – Astronomy of the Solar System OR ASTR 106 – Astronomy of Stellar Systems	3	GEOL 111/113 – The Earth OR GEOL 112/114 – Earth History	4
	BIO 120/121 – Cells, Metabolism, and Genetics OR BIO 122/123 – Evolution, Diversity, and Ecology	4	BIO 120/121 – Cells, Metabolism, and Genetics OR BIO 122/123 – Evolution, Diversity, and Ecology	4
	ENG 100 – College Writing	3	General Education Course E	3
	HIST 119/120 – Western Civ	3	General Education Course A-II	3
	SMED 101 – Intro to Inquiry-Based Approaches to Learning	1	SMED 102 – Intro to Inquiry-Based Lesson Design	2
	General Education Course F	1		
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	16

SECOND YEAR Volunteer or Join a Student Organization like Green Toppers	Fall Semester		Spring Semester	
	CHEM 105/106 – Fundamentals of Organic Chemistry OR CHEM 120/121 – College Chemistry I	4-5	PHYS 201 – College Physics OR PHYS 231/232 – Biophysics	4
	ENG 200 – Introduction to Literature	3	SMED 320 – Classroom Interactions	3
	MATH 117 – Trigonometry	3	General Education Course A-III	3
	SMED 210 – Knowing & Learning	3	BIOL 303 – Life Science for Middle Grades Teachers	3
	General Education Course C	3	General Education Course C	3
	TOTAL CREDIT HOURS	16 / 17	TOTAL CREDIT HOURS	15

WINTER TERM Why not Study Abroad?	Winter Term	
	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/>