

Bachelor of Science in Education (BSE) 2022-23 AY**Secondary Math (9-12)****Major Code ES15****CIP Code: 131205****Cr Hrs**

General Education CORE 42 Requirements 42*		29
Area 1A	Social & Behavioral Sciences (PSY 100 3 HRS)	3
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab	3
Area 3B	Natural science With Lab (PHYS 270)	0
Area 4	Mathematics (MATH 120)	0
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies(EDUC 280)	0
Area 5D	Health and Wellness	2
UE 100	First Year Experience**	1
Supporting Requirements (C or better)		16
EDUC 100	Introduction to Teacher Education I	3
MATH 310	Elementary Statistics	3
MATH 421	Intro to Advanced Calculus	3
PHYS 270	General Physics*	4
PSY 100	General Psychology*	3
Professional Education (3.0 GPA/C or better)		34
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	3
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 339	Teaching Mathematics in Middle & Sec School	3
EDUC 380	Theories of Teaching English as a 2nd Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL (3)	
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 429	Assessment of Student Learning	3
EDUC 432	Critical Issues	2
PSY 310	Educational Psychology	3
Content Knowledge (3.0 GPA/C or better)		40
CIS 110	Programming I	3
CIS 210	Programming II	3
MATH 150	Calculus and Analytical Geometry I*	5
MATH 250	Calculus and Analytical Geometry II	4
MATH 260	Calculus and Analytical Geometry III	4
MATH 300	Fundamentals of Math Thought	3
MATH 332	Geometry	3
MATH 340	Discrete Mathematics	3
MATH 342	Abstract Algebra	3
MATH 350 or MATH 371 or MATH 452		3
MATH 351	Linear Algebra	3
MATH 361	Probability and Statistics I	3

Field & Clinical Experience (3.0 GPA/C or better)		10
EDUC 452	Student Teaching	10
Testing	Passing Score of 220	
MoCA	Missouri Content Assessment	
Total Hours	Must include at 39 upper division (300-400) hrs	130

*Gen. Ed. Core 42 Requirements: Area 1A 3hrs met by PSY 100, Area 3B met by PHYS 270, Area 4 met by MATH 150, Area 5C met by EDUC 280 (3 hrs)

ENG 250 recommended for 3 hours of Area 5A

Junior Block courses