

# Bachelor of Science in Mathematics & Secondary Education (9-12)



for students completing an

## Associate of Arts in Teaching with Jefferson College



### Jefferson College Suggested Coursework

General Education		
JeffCo Course		MBU Course
ENG 101	English Composition I (MOTR ENGL 100)	3 ENGL 113
ENG 102	English Composition II (MOTR ENGL 200)	3 ENGL 123
COM XXX	Communications Req. (MOTR COMM 100/110)	3 COMM GER
EDU 240	EDU 240 Multicultural Education^	3 EDUC 203
	Fine Arts/Humanities	3 FA/HUM GER
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BIO 102	Concepts in Biology	3 BIOL 133
PHY 223	General Physics I & Lab	5 PHYS 213+211
MTH 180	Calculus I	5 MATH 164
PSC 102	US & Missouri Govt & Const	3 POLS 103
PSY 101	General Psychology	3 PSYC 133
PSY 205	Life Span Human Development	3 PSYC 313
		<b>40</b>

Program Requirements*		
EDU 105	Exploring the Field of Education	1 EDUC 210
EDU 205	Educational Technology	3 EDUC 373
EDU 210	Foundations of Education in a Diverse Society	3 ELECT
EDU 225	Educational Psychology	3 EDPS 383
EDU 230	Teaching Profession with Field Experience	3 EDCL 211
EDU 235	Education of Exceptional Learners	3 EDPS 453
		<b>16</b>

BS Degree Requirement		
HPE 130	Personal Health	3 KHSC 133
		<b>3</b>

Math Major Requirements%		
CIS 155	Introduction to Computer Programming	3 sub ITBU 203
MTH 172	Linear Algebra	3 MATH 353
MTH 185	Calculus II	5 MATH 254
MTH 201	Calculus III	5 MATH 264
MTH 205	Differential Equations	3 MATH 363
PHY 224	General Physics II & Lab	5 PHYS 223+211
		<b>24</b>

### Missouri Baptist University Degree Completion Coursework

2024-2025 Catalog

#### Bachelor of Science

CBIB 113	Old Testament History	3
CBIB 123	New Testament History	3
		<b>6</b>
Professional Requirements*		
ECTA 323	Curriculum, Assessment, & Data-based Decision Making	3
EDMS 473/573	Teaching Math in Middle/Secondary: Sem. & FE (Web/FA)	3
EDRD 463/563	Reading & Writing Strategies for Middle/Secondary	3
EDRD 423/523	Integration of Literacy in Content Areas	3
EDSP 453/553	Teaching Remedial Math K-12: Sem. & FE	3
EDUC 303	Methods of Teaching & Differentiated Instruction ‡	3
EDUC 200	Continuing Portfolio Dev for Teacher Candidates (concurrent with EDUC 201)	0
EDUC 201	Professional Growth & Portfolio Development I ‡	1
EDUC 401	Professional Growth & Portfolio Development II	1
ETOP 423/523	Classroom & Behavior Management	3
EDTR 413/513	Trauma Informed Classroom I ‡‡	3
		<b>26</b>

Math Requirements%		
MATH 213	Discrete Mathematics (Main/FA)	3
MATH 273	Probability & Statistical Methods (Main/SP)	3
MATH 323	Foundations of Geometry (Main/FA-E)	3
MATH 423	Algebraic Structures (Main/FA-O)	3
MATH 433	Mathematics Seminar (Main/F)	3
		<b>15</b>

Math Elective (1 from the following)%		
MATH 313	Elementary Number Theory (recommended) (Main/SP-O) <u>OR</u>	3
MATH 453A	Advanced Calculus I (Main/FA-O) <u>OR</u>	
MATH 453B	Advanced Calculus II (Main/SP-E) <u>OR</u>	
MATH 463	Numerical Analysis (Main/FA-E)	

Field Experience		
EDCL 220	Transfer Field Experience‡ (Can be waived with proper documentation.)	0
EDUC 410	Teaching Field Experience II Seminar	0
EDCL 411	Teaching Field Experience II	1
EDUC 470	Student Teaching Professional Development Seminar	0
ESCL 4712	Student Teaching: Secondary	12
		<b>13</b>

Total JC Credit Hours	83
Total MBU Credit Hours	60
<b>Total</b>	<b>143</b>

\*Teacher Education Gateway Course requires a grade of B or better (may be repeated once)

‡ Students who transfer in a course for EDCL 211 who do not have a MEES evaluation (or equivalent) must take EDCL 200 Transfer Field Experience

A grade of C or better (or CR for zero credit classes) is required in courses taken to fulfill the requirements for a major or minor

Total Upper Division Hours Required: 42 minimum

Students must have a minimum 2.5 cum GPA to be admitted to the Teacher Education Program and for graduation.

\*The Professional Education Program GPA must be 3.000 or better

%The Content Area GPA must be 3.000 or better

**Students must meet all requirements for certification before this degree will be conferred.**