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	3	ENGL 113
ENG	102	English Composition II	3	ENGL 123
COM	XXX	Communications	3	COMM GER
		Humanities - EDU 240 Multicultural Education^	3	EDUC 203
		Fine Arts/Humanities	3	FA/HUM GER
		Fine Arts/Humanities	3	FA/HUM GER
BIO	102	Concepts in Biology	3	BIOL 133
PHY	223	General Physics I	4	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
			39	
Bachelor of Science				
HPE	130	Personal Health	3	KHSC 333
MTH	132	Introductory Statistics	3	MATH 243
			6	
Professional Requirements				
EDU	105	Exploring the Field of Education	1	ELECT
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
			16	
Math Requirements				
CIS	155	Introduction to Computer Programming	3	BCSC 253
MTH	172	Linear Algebra	3	MATH 172
MTH	185	Calculus II	5	MATH 254
MTH	201	Calculus III	5	MATH 264
PHY	224	General Physics II	4	PHYS 223+211
			20	

Missouri Baptist University
Degree Completion Coursework

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Bachelor of Science			
CBIB	113	Old Testament History	3
CBIB	123	New Testament History	3
IDST	403	World Citizen	3
			9
Field Experience			
EDUC	410	Teaching Field Experience II Seminar	0
EDCL	411	Teaching Field Experience II	1
EDUC	471	Student Teaching Seminar	1
ESCL	4712	Student Teaching: Secondary	12
			14
Professional Requirements			
ECTA	323	Curriculum, Assessment, & Data-based Decision Making	3
EDCL	200	Teaching in a Diverse Society Field Experience	0
* EDMS	473/573	Teaching Math in Middle/Secondary: Sem. & FE (Web)	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	201	Professional Growth & Portfolio Development I ‡	1
EDUC	401	Professional Growth & Portfolio Development II	1
* ETOP	423/523	Classroom & Behavior Management	3
			23
Math Requirements			
MATH	213	Discrete Mathematics (Main or Web)	3
MATH	323	Foundations of Geometry (Main or Web)	3
MATH	333	Algebraic Structures (Main)	3
MATH	363	Differential Equations (Main)	3
MATH	433	Mathematics Seminar (Main)	3
			15
Math Elective (1 from the following)			
MATH	313	Elementary Number Theory (recommended) (Main) OR	3
MATH	343	Statistical Methods (Main) OR	3
MATH	463A	Advanced Calculus I (Main) OR	3
MATH	463B	Advanced Calculus II (Main)	3
			3
		Total JC Credit Hours	81
		Total MBU Credit Hours	64
		Total	**145**

Missouri Baptist UNIVERSITY
AT JEFFERSON COLLEGE

Plus-Two Transfer Agreement
A grade of D is not acceptable in courses taken to fulfill the requirements for a major or minor
Total Upper Division Hours Required: at least 42
^Applicable to AAT degree; Required for MBU
†At least 7 hours; At least 1 course with a lab
*May be taken for Senior Permission
‡Must enroll in EDAS WM7 Watermark