



Bachelor of Science in Chemistry Education & 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	Multicultural Education ^A	3 EDUC 203
	Fine Arts/Humanities	3 FA/HUM GER
	Fine Arts/Humanities	3 FA/HUM GER
BIO 103	Biology for Majors I	4 BIOL 113+111
CHM 111	General Chemistry I	5 CHEM 133+132+130
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
		41

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
		16

BS Degree Requirements

HPE 130	Personal Health	3 KHSC 133
MTH 132	Introductory Statistics	3 MATH 243
		6

Chemistry Major Requirements%

BIO 109	Ecology & Environment Conservation	3 BIOL 323A
BIO 104	Biology for Majors II	4 BIOL 123+121
CHM 112	General Chemistry II	5 CHEM 143+141+140
CHM 200	Organic Chemistry I	5 CHEM 313+312+310
CHM 201	Organic Chemistry II	5 CHEM 323+322+320
PHY 105	Physical Geology & Lab	4 PHYS 123+122
PHY 223	General Physics I & Lab	5 PHYS 213+211
PHY 224	General Physics II & Lab	5 PHYS 223+221
		36

Math Requirements

MTH 185	Calculus II	5 MATH 254
		5

Missouri Baptist University

Degree Completion Coursework

2024-2025 Catalog

Bachelor of Science

CBIB 113	Old Testament History	3
CBIB 123	New Testament History	3
		6

Professional Requirements*

ECTA 323	Curriculum, Assessment, & Data-Based Decision Making	3
EDMS 483/583	Teaching Science in Grades 5-12: Sem. & FE (Web/FA-E)	3
EDRD 463/563	Reading & Writing Strategies for Middle/Secondary	3
EDRD 423/523	Integration of Literacy in Content Areas	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
		23

Chemistry Requirements%

IDST 313	History & Philosophy of Science & Technology (Web/SP-O)	3
PHYS 383	Meteorology	3
CHEM 343+332	Analytical Chemistry (Main)	5
CHEM 413	Physical Chemistry I (Main)	3
CHEM 443+441	Biochemistry I (Main)	4
CHEM 453+452	Modern Instrumental Analysis (Main)	5
		23

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
		13

Total JC Credit Hours	104
Total MBU Credit Hours	65
Total	169

^ATeacher 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 MEEES 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.