

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 | 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 206 | General Zoology | 5 | 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 |
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Bachelor of Science

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|---------|-------------------------|----------|----------|
| HPE 130 | Personal Health | 3 | KHSC 333 |
| MTH 132 | Introductory Statistics | 3 | MATH 243 |
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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 |
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Chemistry Requirements

| | | | |
|---------|------------------------------------|-----------|------------------|
| BIO 205 | General Botany | 5 | BIOL 123+121 |
| CHM 112 | General Chemistry II | 5 | CHEM 143+141+140 |
| PHY 105 | Physical Geology & Lab | 4 | PHYS 123+122 |
| PHY 223 | General Physics I | 5 | PHYS 213+211 |
| PHY 224 | General Physics II | 5 | PHYS 223+221 |
| BIO 109 | Ecology & Environment Conservation | 3 | BIOL 323A+321A |
| CHM 200 | Organic Chemistry I | 5 | CHEM 313+312+310 |
| CHM 201 | Organic Chemistry II | 5 | CHEM 323+322+320 |
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Missouri Baptist University

Degree Completion Coursework

2019-2020 Catalog

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 483/583 | Teaching Science in Grades 5-12: Sem. & FE (Web) | 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 201 | Professional Growth & Portfolio Development I ‡ | 1 |
| EDUC 401 | Professional Growth & Portfolio Development II | 1 |
| * ETOP 423/523 | Classroom & Behavior Management | 3 |
| | | 20 |

Chemistry Requirements

| | | |
|--------------|--|-----------|
| IDST 313 | History & Philosophy of Science & Technology (Web) | 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 |

| | |
|------------------------|------------|
| Total JC Credit Hours | 101 |
| Total MBU Credit Hours | 66 |
| Total | 167 |



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

Plus-Two Transfer Agreement