



**Bachelor of Science in
 Science Education/Chemistry**

TRINE UNIVERSITY

| Transfer Overview | Credit Hours |
|---|--------------|
| Iowa Wesleyan University - BS Secondary Science Education credits transferred | 90 |
| Trine BS Science Education/Chemistry remaining credits to complete | 30 |
| Total Credits | 120 |

Trine Bachelor of Science in Science Education/Chemistry - 120 Credit Hours

| General Education Requirements - 30 Hours | | Transfer Institution Information | | |
|--|---|----------------------------------|--|---|
| Communication - 9 hours | | Credits | Iowa Wesleyan University | |
| | | | Credits | |
| ENG 143 | College Composition | 3 | ENG 110 College Research | 3 |
| HUM 203 | Humanities Seminar | 3 | ENG 109 College Composition (SUB)* | 3 |
| SP 203 | Effective Speaking | 3 | COMM 147 Intro to Public Speaking | 3 |
| Humanities and Social Science - 9 hours | | | | |
| ENG 153 | Intro to Literature | 3 | | |
| PSY 113 | Principles of Psychology | 3 | PSYC 131 General Psychology | 3 |
| EDU 273 | Issued in American Foundations | 3 | EDU 294 Foundations of Education | 3 |
| Mathematics and Science - 12 hours | | | | |
| MA 134 | Calculus I | 4 | MATH 231 Calculus I | 4 |
| MA 164 | Calculus II | 4 | | |
| PH 224 | University Physics I (calculus based) | 4 | | |
| Chemistry Content - 40 hours | | | | |
| UE 101 | University Experience | 1 | WS 147 Tiger Perspectives | 1 |
| CH 104 | General Chemistry I | 4 | CHEM 175 General Chemistry I | 4 |
| CH 114 | General Chemistry II | 4 | CHEM 176 General Chemistry II | 4 |
| CH 204 | Organic Chemistry I | 4 | CHEM 355 Organic Chemistry I | 4 |
| CH 214 | Organic Chemistry II | 4 | | |
| CH 234 | Quantitative Chemical Analysis | 4 | | |
| CH 354 | Physical Chemistry I | 4 | | |
| CH 434 | Biochemistry | 4 | | |
| MA 213 | Calculus III | 3 | | |
| Professional Education Requirements - 42 hours | | | | |
| EDU 111 | Education Exploration | 1 | EDUC 110 Intro to Teacher Exploration | 1 |
| EDU 211 | Education Immersion | 1 | EDUC 261 Early Exp in the Schools | 1 |
| EDU 232 | Ed Psych for Middle & Sec Teacher | 2 | EDUC 296 Educational Psychology | 3 |
| EDU 301 | Instructional Design Clinical Experience | 1 | | |
| EDU 303 | Instructional Design | 3 | Trine University Residency Requirement | |
| EDU 312 | Exceptional Learners | 3 | EDUC 301 Ed of Exceptional Persons | 3 |
| EDU 322 | Culturally Responsive Teaching | 3 | EDUC 357 Human Relations | 3 |
| EDU 331 | Literacy in the Content Area Clinical Exp | 1 | | |
| EDU 332 | Literacy in the Content Area | 2 | EDUC 327 Read in the Sec Content Area | 2 |
| EDU 362 | Classroom Behavior & Environment | 2 | EDUC 302 Classroom Management | 2 |

| | | | | |
|---------------------------------|---------------------------------------|-----|---|-----------|
| EDU 411 | Practicum in Teaching - Middle School | 1 | | |
| EDU 412 | The Middle School | 2 | | |
| EDU 422 | Middle School Methods | 2 | | |
| EDU 431 | Secondary Methods Practicum | 1 | | |
| EDU 442 | Secondary Methods | 2 | | |
| EDU 462 | Educational Measurement | 2 | | |
| EDU 463 | Educational Media & Technology | 3 | | |
| EDU 470 | Supervised Student Teaching | 10 | | |
| EDU 482 | Student Teaching Seminar | 2 | | |
| Free Electives - 8 hours | | | | |
| | Elective | 8 | Complete from undistributed credits. Total transfer credit not to exceed 90 credits. | |
| | | | | |
| | Total | 120 | Transfer Total | 90 |

*HUM 203 Humanities Seminar has a residency requirement with no substitutions or transfers. This will be waived for Iowa Wesleyan University students who have successfully completed ENG 109 College Composition.

| Undistributed Credits | Credits |
|---|----------------|
| WS 148 Tiger Expeditions | 1 |
| Math (Quantitative & Scientific Reasoning) | 3 |
| Science (Quantitative & Scientific Reasoning) | 3 |
| Humanities Electives | 6 |
| EDUC 332 Elementary School PE & Health Methods & Curriculum | 3 |
| EDUC 396E Secondary Special Methods: Science Education | 3 |
| EDUC 294 Foundations of Education | 2 |
| EDUC 215 Technologies Applications in the Classroom | 2 |
| EDUC 262 Participation and Analysis in the Schools | 1 |
| EDUC 263 Participation and Analysis in the Schools | 1 |
| EDUC 295 Curriculum Development & Evaluation | 3 |
| EDUC 404 Seminar for Secondary Teachers | 1 |
| EDUC 492 Practicum in K-12 Education (Business and Science) | 7 |
| EDUC 493 Practicum in K-12 Education (Business and Science) | 7 |
| PSYC 251 Developmental Psychology | 3 |
| BIO 105 General Biology I | 4 |
| BIO 205 General Biology II | 4 |
| BIO 260 Ecology & Conservation | 4 |
| MATH 171 Elementary Statistics | 4 |
| PHYS 210 General Physics I | 4 |
| PHYS 211 Basic Electronics | 1 |
| PHYS 220 General Physics II | 4 |
| SCI 205 Elementary Astronomy | 3 |
| SCI 341 Principles of Geology | 3 |
| SCI 342 Earth Science | 3 |

Transfer Policy

1. An official college/university transcript sent or scores from the transferring college to Trine University.
2. A grade of "C" or higher was earned in the transferring course.
3. Credits are from a regionally accredited or DOE institution.
4. Courses are 100-level or higher (not pre-college, remedial, developmental, preparatory, or credits through testing or assessed learning).