

Central Connecticut State University
School of Education

Degree: Bachelor of Science (Certifiable for Secondary Education)

Program: Earth Science

Effective Term: Fall 2025

Name: _____

ID#: _____

General Education: Ways of Understanding:

Arts & Humanities (9 credits)

| | Credits | Grade |
|------------|---------|-------|
| Literature | 3 | |
| | 3 | |
| | 3 | |

Social & Behavioral Sciences (12 credits)

| | | |
|-----------------|---|--|
| HIST 161 or 162 | X | |
| PSY 136 | X | |
| EDF 215 | X | |
| | 3 | |

Math & Natural Sciences (9-10 credits)

| | | |
|-----------------------------------|---|--|
| STAT 104 | X | |
| CHEM 161/162 | X | |
| Non-lab Science course from major | X | |

General Education: Essential Skills:

Written & Oral Communication (6 credits)

| | | |
|--|---|--|
| WRT 105 or WRT 110 Intro to Coll. Wrt. | 3 | |
| | 3 | |

World Language (0-6 credits) or Gen Ed Free Elective (3 credits)

| | | |
|--|---|--|
| World Language course numbered 112 or 118* or Gen Ed Free Elective | 3 | |
|--|---|--|

Thriving in College (2-3 credits)

| | | |
|--------------------------------|-----|--|
| CCSU 102, 103, or FYE course** | 2-3 | |
|--------------------------------|-----|--|

A maximum of 16 credits (4 courses) applied towards Ways of Understanding and Essential Skills requirements may be used to fulfill a major and/or minor requirement.

International & Equity, Justice, & Inclusion (EJI) Requirements:

| | | |
|---------------------------------|---|--|
| International | 3 | |
| International | 3 | |
| Equity, Justice, & Inclusion*** | 3 | |

Coursework applied toward International & EJI requirements may be used in any other area of general education or program requirements.

Honors Program: HON courses can be used to fulfill certain general education requirements. Consult the Honors Program curriculum for details.

Residency Requirements: A minimum of 30 credits overall must be completed in residence, with at least 15 credits in the major (at least 12 of which must be at the 300 level or above) and 9 credits in a minor at Central. In residence means attending classes conducted on campus or under supervision of Central.

Major Requirements (31 credits)

Requires grade of C- or higher, unless otherwise specified

| | Credits | Grade |
|--|---------|-------|
| ESCI 121 & ESCI 125 OR ESCI 131 & ESCI 135 | 4 | |
| ESCI 141 Earth and Life History | 3 | |
| ESCI 145 Earth and Life History Laboratory | 1 | |
| ESCI 129 Introduction to Meteorology | 4 | |
| AST 208 Planetary Astronomy | 4 | |
| AST 209 Stellar and Galactic Astronomy | 4 | |
| ESCI 221 Mineralogy | 4 | |
| AST 278 OR ESCI 290 The Night Sky OR Field Methods in Earth Science | 2 or 3 | |
| DIRECTED ELECTIVES in AST (300-400) OR ESCI (300-400) to reach 31 credits in the major | | |
| ESCI or AST | 3-4 | |
| ESCI or AST | 3-4 | |

Related Requirements (29 credits)

| | | |
|---|---|--|
| CHEM 161 General Chemistry I | 3 | |
| CHEM 162 General Chemistry Lab | 1 | |
| CHEM 201 Foundations of Analytical Chem Lab | 1 | |
| CHEM 260 Foundations of Inorganic Chemistry | 3 | |
| PHYS 121 General Physics I | 4 | |
| PHYS 122 General Physics II | 4 | |
| MATH 152 Calculus I | 4 | |
| STAT 104 Elementary Statistics | 3 | |
| SCI 400 Nature of Science & Technology | 3 | |
| SCI 414 Interdisciplinary Science, Practices & Pedagogy | 3 | |

Additional Requirements (9 credits)

| | | |
|---|---|--|
| HIST 161 or 162 American History to 1877 or American History from 1877 to Present | 3 | |
| PSY 136 Life-Span Development | 3 | |
| EDF 215 Education in a Multicultural Society | 3 | |

Professional Education (27 credits)

Requires grade of C or higher

| | | |
|---|---|--|
| EDTE 316 Principles of Learning in Diverse Settings (Secondary) | 4 | |
| SPED 315 Introduction to Educating Learners with Exceptionalities | 3 | |
| LLA 440 Literacy in the Secondary School | 3 | |
| EDSC 425 Multicultural, Interdisciplinary Teaching at the Secondary Level | 3 | |
| SCI 417 Teaching of Science Secondary School | 3 | |
| SCI 418 Fieldwork in Secondary Science Education | 1 | |
| EDSC 435 Secondary Education Student Teaching | 9 | |
| SCI 419 Student Teaching Seminar | 1 | |

Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

Free Electives may be used, as needed, to reach the total credits required for the degree when all other degree requirements have been met.

Total Credits Required for Degree: 120

* Students with 3 years, or more, of one world language at the high school level, a passing score on a world language placement exam, or native proficiency in a language other than English will have the World Language requirement waived and can satisfy this requirement with any general education free elective course (3cr).

** Transfer students with 24 or more transfer credits at the time of admission can satisfy this requirement with any general education free elective (3cr).

*** Waived for transfer students with 50 or more transfer credits at the time of admission.