

**Central Connecticut State University**  
**School of Engineering, Science, and Technology**

**Degree:** Bachelor of Science  
**Program:** Biology  
**Concentration:** Environmental Science  
**Effective Term:** Fall 2025

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**General Education: Ways of Understanding:**

**Arts & Humanities (9 credits)**

	Credits	Grade
Literature	3	

**Social & Behavioral Sciences (12 credits)**

	Credits	Grade
History	3	

**Math & Natural Sciences (9-10 credits)**

MATH 124 or MATH 152 or (MATH 115 and 125) or (MATH 119 and 125)	X	
PHYS 121 or PHYS 125	X	
PHYS 122 or PHYS 126	X	

**General Education: Essential Skills:**

**Written & Oral Communication (6 credits)**

WRT 105 or 110	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	
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**Thriving in College (2-3 credits)**

CCSU 102, 103, or FYE course**	2-3	
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*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 (32 credits)**

**Core Requirements**

	Credits	Grade
BIO 121 General Biology I	4	
BIO 122 General Biology II	4	
BIO 200 Integrative Biology	3	
BIO 290 Research Experience I	1-3	
BIO 390 or 391 Biology Research Experience II or Internship in Biology	1-6	

**Concentration in Environmental Science**

Ecology Course: BIO 305 or 407 or 434	4	
BIO 436 Environmental Resources and Management or BIO 438 Aquatic Pollution	3-4	
Organismal Biology Course BIO 315 or 322 or 326 or 327 or 420 or 421 or 425 or 444 or 469 or 482	3-4	
Physiology Course BIO 318 or 319 or 331 or 333 or 403 or 404 or 410 or 412 or 413 or 449	3-4	
Biology Electives to reach 32 credits in major	1-4	

**Biology Related Requirements (30-34 credits)**

MATH 124 or MATH 152 or (MATH 115 and 125) or (MATH 119 and 125)	4-6	
CHEM 161 and 162 General Chemistry and Lab	4	
CHEM 200 and 201 Foundations of Analytical Chemistry and Lab	4	
CHEM 210 and 211 Organic Chemistry and Lab	4	
CHEM 212 or 260 or 354	3	
CHEM 406 Environmental Chemistry or CHEM 456 Toxicology	3	
PHYS 121 Gen Physics I or PHYS 125 Univ Physics I	4	
PHYS 122 Gen Physics II or PHYS 126 Univ Physics II	4	
ESCI 121 & 125 or ESCI 131 & 135 or ESCI 141 & 145	4	

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

**Is a Minor Required with this Major?**

Yes       No

*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.