

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

Degree: Bachelor of Science
Program: Biology
Concentration: Ecology, Biodiversity, and Evolutionary Biology
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.

* 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.

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 Ecology, Biodiversity and Evolution

Ecology/Evolution Course BIO 402 or 305 or 434 or 440 or 480	3-4	
Biodiversity Course BIO 315 or 322 or 326 or 327 or 420 or 421 or 425 or 444 or 469	3-4	
Specialization electives to reach 32 credits in major		

Biology Related Requirements (23 credits)

MATH 124 or MATH 152 or (MATH 115 and 125) or (MATH 119 and 125)	4	
CHEM 161 and 162 General Chemistry and Lab	4	
CHEM 210 and 211 Organic Chemistry and Lab	4	
CHEM 200 or 260 or 212 or 354	3	
PHYS 121 General Physics I or PHYS 125 University Physics I	4	
PHYS 122 General Physics II or PHYS 126 University Physics II	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