BIOLOGY STUDIES - CSCU TRANSFER DEGREE, AA

Program code: BIOL-AA-TAP

Location: Asnuntuck, Capital, Gateway, Housatonic, Manchester, Middlesex, Naugatuck Valley, Northwestern, Norwalk, Quinebaug Valley, Three Rivers, Tunxis

Program Description

This program prepares students to transfer into one of the Connecticut State University (CSU) biology programs.

Learning Outcomes

Outcomes: Students completing the Connecticut State Colleges & Universities (CSCU) Biology Pathway and earning an Associate Degree will be able to describe:

1. the mechanism by which the diversity of life evolved over time.
2. the basic units of structure that define the function of all living things.
3. how information is stored and exchanged, within and among organisms.
4. how living things transform energy and matter.
5. how living systems are interconnected and interacting.

Competencies: Student completing the CSCU Biology Pathway and earning an Associate's Degree will be able to:

- Apply the process of science
- Use quantitative reasoning
- Use modeling and simulation to describe living systems
- Apply concepts and knowledge from within and outside of biology in order to interpret biological phenomena
- Communicate biological concepts and interpretations
- Discuss the relationship between Science and Society

This program follows the first two years of standard biology majors program and transfers into many public and private universities across the country. Student can transfer into the following programs under the Transfer Ticket transfer agreements:

- Central CT State University: Ecology, Biodiversity, Evolution, Bachelor of Science (B.S.)
- Central CT State University: Environmental Science, B.S.
- Central CT State University: General Biology, B.S.
- Eastern CT State University: Biology, Bachelor of Arts (B.A.)
- Eastern CT State University: Biology, B.S.
- Southern CT State University: Biology, B.A.
- Southern CT State University: Biology, B.S.
- Western CT State University: Biology - Professional Option, B.A.
- Western CT State University: Ecological Option, B.A.

Degree Requirements

Code	Title	Credits
Framework Courses		
ENG 1010	Composition	3
MATH 1610	Precalculus	4
Elective ARHX - Arts & Humanities Course		3-4
BIO 1210	General Biology I	4
Elective SBSX - Social / Behavioral Science Course		3
Elective WRIX - Written Communication II Course		3
CHEM 1210	General Chemistry I	4
Elective HISX - Historical Knowledge Course		3
Elective ORAX - Oral Communication Course		3
CCS 1001	College and Career Success	3
Pathway Courses		
BIO 1220	General Biology II	4
CHEM 1220	General Chemistry II	4
Choose one of the following:		3-4
MATH 2600	Calculus I	
MATH 1200	Statistics I	
Elective CRTY - Creativity Course		
Elective GLKY - Global Knowledge Course		
Choose one of the following sequences:		8
PHYS 1201 & PHYS 1202	General Physics I and General Physics II	
CHEM 2310 & CHEM 2320	Organic Chemistry I and Organic Chemistry II	
PHYS 2201 & PHYS 2202	Calculus-Based Physics I and Calculus-Based Physics II	
Choose two 2000-level lab science Biology courses:		8
BIO 2111	Anatomy and Physiology I	
BIO 2112	Anatomy and Physiology II	
BIO 2350	Microbiology	
BIO 2822	Molecular Biotechniques	
BIO 2830	Advanced Techniques in Biotechnology	
BIO 2630	Molecular Genetics	
BIO 2865	Principles of Synthetic Biology	
BIO 2700	Ecology	
BIO 2098	Special Topics in Biology	
Total Credits		**60-62**