

LIFE SCIENCES, GRADES 7-12 (TEACHER CERTIFICATION)

<https://cps.unh.edu/online/academics/post-baccalaureate-teacher-certification>

Description

This Post-Baccalaureate Program is for candidates interested in pursuing teacher certification. The Post-Baccalaureate Teacher Certification program is designed for 21st Century Educators, providing an in-depth focus on the critical issues that are transforming the landscape of education - innovation, critical thinking, problem solving, and collaboration.

Requirements

Minimum GPA requirement of 3.0

Code	Title	Credits
Major in Life Sciences - Post Bac¹		
<i>Introductory Level Education Courses</i>		
EDC 845	Natural Selection and Evolution	3
EDC 846	Life Sciences Across the Curriculum	3
EDC 847A	Introductory Field Experiences	1
EDC 847B	Introductory Field Experiences	1
EDC 847C	Introductory Field Experiences	1
EDC 847D	Introductory Field Experiences	1
<i>Intermediate Level Education Courses</i>		
EDC 848	Structure and Function in Life Sciences	3
EDC 849	Matter and Energy in Organisms and Ecosystems	3
EDC 850	Teaching Life Sciences: Ecosystems-Interdependent Relationships	3
EDC 851A	Intermediate Field Experiences	1
EDC 851B	Intermediate Field Experiences	1
EDC 851C	Intermediate Field Experiences	1
EDC 851D	Intermediate Field Experiences	1
<i>Advanced Level Education Courses</i>		
EDC 852	Teaching Life Sciences: Genetics-Inheritance and Variation of Traits	3
EDC 853	Math Across the Life Sciences	3
EDC 854A	Advanced Field Experiences	1
EDC 854B	Advanced Field Experiences	1
EDC 854C	Advanced Field Experiences	1
EDC 854D	Advanced Field Experiences	1
EDC 855	Culminating Experience for Life Science	2
Total Credits		35

¹ A minimum grade of B- is required in all Major coursework.

State Certification Requirements

The following requirements must be completed in order to be recommended to the state for Teacher Certification.

- **Praxis Core Academic Skills For Educators Exam** required. Passing Praxis Core Exam scores, NH DOE waiver or current NH teaching certification must be submitted prior to completion of EDC 800 Introduction to Field Experience/Program Requirements to continue with clinical courses.
- **Praxis II-Biology: Content Knowledge Exam** required. Students must attempt to pass Praxis II exam prior to taking the Culminating

Teaching Experience & Seminar. Passing exam scores are required for state certification.

Degree Plan

This degree plan is a sample and does not reflect the impact of transfer credit or current course offerings. UNH CPS Online students should develop individual academic plans with their academic advisor during their first semester at UNH.

Sample Course Sequence

First Year

Fall		Credits
EDC 845	Natural Selection and Evolution Nonclinical	3
EDC 846	Life Sciences Across the Curriculum Nonclinical	3
EDC 847A	Introductory Field Experiences Clinical A	1
EDC 847B	Introductory Field Experiences Clinical A	1
EDC 847C	Introductory Field Experiences Clinical A	1
EDC 847D	Introductory Field Experiences Clinical A	1
EDC 848	Structure and Function in Life Sciences Nonclinical	3
Credits		13

Spring		Credits
EDC 849	Matter and Energy in Organisms and Ecosystems Nonclinical	3
EDC 850	Teaching Life Sciences: Ecosystems-Interdependent Relationships Nonclinical	3
EDC 851A	Intermediate Field Experiences Clinical A	1
EDC 851B	Intermediate Field Experiences Clinical A	1
EDC 851C	Intermediate Field Experiences Clinical A	1
EDC 851D	Intermediate Field Experiences Clinical A	1
Credits		10

Second Year

Fall		Credits
EDC 852	Teaching Life Sciences: Genetics-Inheritance and Variation of Traits Nonclinical	3
EDC 853	Math Across the Life Sciences Nonclinical	3
EDC 854A	Advanced Field Experiences Clinical A	1
EDC 854B	Advanced Field Experiences Clinical A	1
EDC 854C	Advanced Field Experiences Clinical A	1
EDC 854D	Advanced Field Experiences Clinical A	1
EDC 855	Culminating Experience for Life Science Clinical A	2
Credits		12
Total Credits		35

Student Learning Outcomes

Students Will:

- Be reflective and knowledgeable about learners and are able to employ instructional methods, strategies, and technologies to meet the needs of all students;

- Have a rich understanding of the subject/s that they teach;
- Employ best practices in the planning, delivery, and assessment of instruction to improve learning achievement of Pre-K-12 students.