



Secondary Biology 1 Endorsement Application for the Utah State Board of Education

Applicant Information:

Name: _____ CACTUS ID#: _____

E-mail: _____

Purpose

This endorsement may be attached to a current Educator License with a Secondary Education area of concentration and is required to teach the High School (9-12) General Biology Courses (Including Honors) and the High School Botany, Genetics, Zoology, and Marine Biology Elective Courses. **NOTE: Advanced Biology (AP, CE, and IB) and other high school life science elective courses require Secondary Biology 2.**

Select Endorsement Type: Please check one

- This application is for a Professional Secondary Biology 1 Endorsement.
- This application is for an Out of State Licensure Applicant.
- This application is for an Associate Secondary Biology 1 Endorsement. I have completed ONE of the following requirement(s):
 - Hold a Professional Science Core (6-8) Endorsement **OR**
 - Completed at least 2 of the 6 Requirement Areas for the endorsement

Instructions for Completing the Application:

1. Complete the Secondary Biology 1 Endorsement Application by filling in the table demonstrating how you have completed at least one option for each of the 6 requirement areas.
2. Email completed application and any non-transcript documentation (e.g., MIDAS Transcript, certificates) to licensing@schools.utah.gov. Submit necessary university transcripts to transcripts@schools.utah.gov.

Endorsement Requirements:

The Secondary Biology 1 Endorsement has the following 6 requirement areas:

- 1) Science Core (6-8) Endorsement
- 2) Biological Molecules: Structures, Functions, and Processes Content Knowledge
- 3) Organisms: Growth, Development, and Processes Content Knowledge
- 4) Ecosystems: Interactions, Energy, and Dynamics Content Knowledge
- 5) Heredity: Inheritance and Variation of Traits Content Knowledge
- 6) Biological Evolution: Unity and Diversity Content Knowledge

Prerequisite Endorsement: The Science Core (6-8) Endorsement is requirement in order to earn this endorsement

Competency in each of the 6 requirement areas may be demonstrated by completing at least one of the following options: taking university courses, having a university Major or Minor in content area, passing an approved PRAXIS Exam, or other experiences that demonstrates knowledge, skills, and dispositions as approved by the USBE Secondary Science Specialist.

Endorsement Requirement Areas Checklist

Use the Following table to demonstrate how each requirement area for the Biology 1 Endorsement has been met. **Each row must be met by at least one of the column options** - cells that are greyed out are not available options. For descriptions of approved options that meet the endorsement requirements, visit: [Secondary Biology 1 Endorsement Options](#).

Requirement Area(s) (Aligned Area Competency hyperlink to more details below)	University Course <i>Evidence:</i> If this option is used the application must include a transcript for each course below	College Major or Minor <i>Evidence:</i> If this option is used the application must include a transcript with the Major or Minor is posted	Praxis Exam (or equivalent) <i>Evidence:</i> If this option is used the application must include the PDF copy of the Exam's score report	Prerequisite Endorsement Requirements <i>Evidence:</i> Prerequisite Endorsement must be posted in CACTUS or an Additional Application for prerequisite endorsement must included with this application
Science Core (6-8) Endorsement SC.1-4				Science Core (6-8) Endorsement <input type="checkbox"/> Previously Completed Year Completed _____ <input type="checkbox"/> Additional Application Included
Biological Molecules: Structures, Functions, and Processes Content Knowledge B1.1.A-B	Molecular Biology University _____ Course Code _____ Year _____ Grade _____	College Major or Minor in Biology, Biology Education, or a Biology Variation (e.g., Microbiology, Ecology, Wildlife Biology, Physiology, Genetics, Evolutionary Biology) Major _____ Minor _____ University _____ Year _____	Biology Content Knowledge Praxis (0235/5235) Score of 149 or higher Year _____ Score _____	
Organisms: Growth, Development, and Processes Content Knowledge B1.1.C-D	General Biology II or Zoology or Botany University _____ Course Code _____ Year _____ Grade _____			
Ecosystems: Interactions, Energy, and Dynamics Content Knowledge B1.2.A-D	Ecology University _____ Course Code _____ Year _____ Grade _____			
Heredity: Inheritance and Variation of Traits Content Knowledge B1.3.A-B	Genetics University _____ Course Code _____ Year _____ Grade _____			
Biological Evolution: Unity and Diversity Content Knowledge B1.4.A-D	Evolutionary Biology University _____ Course Code _____ Year _____ Grade _____			

Specific Competencies for each Secondary Biology 1 Endorsement Requirement Area are described below

Applicant's Signature

I, _____, certify that the information contained in this application is true.

I have submitted any required documentation such as PRAXIS reports, MIDAS transcripts, etc.

Any submitted University transcripts meet the following guidelines.

- Electronic transcripts:
 - Official electronic transcripts must be sent directly from the College/University clearinghouse to the USBE Licensing Department at transcripts@schools.utah.gov.
 - Electronic transcripts sent from the applicant will not be accepted.

For Office Use Only

The application is complete and approved.

The application is incomplete, but the applicant qualifies for an associate endorsement.

Applicant is qualified by: Holds a Professional Science Core Endorsement 2 of 6 Requirement Areas met

The application is incomplete and not approved for the following reason(s):

ENDORSEMENT SPECIALIST: _____ Date Reviewed and Returned to Licensing: _____