COLORADO
Department of Education

Educator Talent Division
http://www.cde.state.co.us/educatortalent

# Secondary CTE Biotechnology

## Applicant

Legal name: Date:

## Requirements

**U.S. Service Member Applicants may meet content knowledge and experience requirements as follows:**

- U.S. Air Force, Army, Coast Guard, Marine Corps, Navy or Space Force members: three or more years' active duty
- Guard/Reserves: 10 years' experience, or five years' experience with 12 months active-duty deployment
- Military Occupational Specialty (MOS), time of service and an honorable discharge must be verified on a DD-214 member copy 4 (submitted in application)

**All other applicants must meet all requirements outlined in 1 and 2 below:**

**1. Content Knowledge**

Hold a bachelor's or higher degree in the content area or have 24 semester hours of related postsecondary coursework verified on an official transcript to include the **14 REQUIRED** semester hours and **10 RELATED** semester hours specified in the table below; **OR** hold a valid and current state or national industry certification (e.g., histotechnician/technologist, medical technologist, medical lab technician, biomedical clinical technician).

**2. Occupational Experience:**

*Credit for student teaching (up to 800 hours) in the content area may be applied to either occupational or teaching experience*

- If you hold a bachelor's or higher degree: 2,000 hours of verified occupational (non-teaching) experience in the content area **OR**
- If you hold less than a bachelor's degree: 4,000 hours of verified occupational (non-teaching) experience in the content area **OR**
- Three (3) years' verified teaching experience in the content area (full-time is defined as 51% or more of a teaching schedule dedicated to teaching in the content area).

| Content coursework | Coursework | Semester Hours |
|---|---|---|
| **REQUIRED (14 semester hours as follows:)** | | |
| Biochemistry with lab (5 semester hours) | | |
| Organic chemistry with lab (5 semester hours) | | |
| Genetics (4 semester hours) | | |
| **RELATED (10 semester hours among the following:)** | | |
| General physics with lab (max. 5 semester hours) | | |
| Cellular and molecular biology | | |
| Microbiology | | |
| Virology | | |
| Immunology | | |
| | **Total semester hours (24 semester hours required):** | |

Up to a maximum of six (6) semester hours of professional development may serve in lieu of coursework in the "related content coursework" section above and must be documented within the application. (15 contact hours = 1 semester hour)