

LEADING FOR CHANGE IN SCIENCE ASSESSMENT PRACTICE - GRADUATE CERTIFICATE

In this certificate, teachers learn how to adapt, develop and pilot assessments that elicit students' integrated understanding of disciplinary core ideas and crosscutting concepts and that connect to students' interests and identities. This certificate supports the needs of partnerships in Colorado and beyond in to develop assessment systems aligned to new science standards.

Students who wish to take classes and separately complete certificates without enrolling in the full MA program should see the Teacher Leadership program graduate certificate pathway (<https://catalog.colorado.edu/graduate/colleges-schools/education/programs-study/teacher-leadership/>).

Requirements

Code	Title	Credit Hours
EDUA 5015	Envisioning Equitable Teaching and Learning in Science	2
EDUA 5016	Designing Meaningful and Equitable Science Assessments	2
EDUA 5017	Leadership in Creating Equitable Assessment Systems in Science	2
EDUA 5018	Leading in Schools and Systems for Transformation in Science Assessment: Capstone	4
Total Credit Hours		10

In order to earn a certificate, students must receive a minimum grade of a C or higher in each course. The cumulative GPA for certificate courses must be 3.0 or higher.

Learning Outcomes

The certificate will prepare teacher leaders to:

- Explain the key assumptions of the vision for equitable teaching and learning in *A Framework for K-12 Science Education* to teachers and other leaders.
- Identify supports needed to help teachers make shifts to teaching and assessment to address new science standards.
- Design tasks that invite students to explain phenomena and solve problems that connect to their interests, experiences and identities