



# Zero Textbook Cost (ZTC) Acceleration Grant Collaboration Cohort Teacher Education Final Report

## Table of Contents

<b>Zero Textbook Cost (ZTC) Acceleration Grant Collaboration Cohort Teacher Education Final Report</b> .....	<b>1</b>
<b>Introduction</b> .....	<b>3</b>
<b>Collaboration Cohort Purpose</b> .....	<b>3</b>
<b>Education Collaboration Cohort – Member Colleges and ZTC Pathways</b> .....	<b>3</b>
<b>Status of Courses Specified in the Elementary Teacher Education Transfer Model Curriculum at Cohort Colleges</b> .....	<b>3</b>
Introduction to Education (C-ID EDUC 200).....	4
Math for Elementary Teachers I (C-ID MATH 120).....	4
Physical Science for Educators or Survey of Physics and Chemistry (C-ID CHEM 140/PHYS 140) or Intro to Chemistry and Intro to Physics .....	4
Earth Science for Educators, without lab (C-ID GEOL 121) or with lab (C-ID GEOL 120 and 120L)...	4
Public Speaking (C-ID COMM 110) .....	4
College Composition (C-ID ENGL 100).....	4
Biology for Educators or General Biology w/lab.....	5
World History to 1500 (C-ID HIST 150).....	5
Intro to Literature (C-ID ENGL 120) .....	5
World Regional Geography (C-ID GEOG 125) .....	5
Introduction to American Government and Politics (C-ID POLS 110) .....	5
US History to 1877 (C-ID HIST 130) .....	5
Child Growth and Development (C-ID CDEV 100) .....	5
<b>Additional Courses</b> .....	<b>5</b>
<b>Conclusions</b> .....	<b>6</b>
<b>Appendix 1 – The Elementary Teacher Education Transfer Model Curriculum</b> .....	<b>7</b>
<b>Appendix 2 – Resources in Use or Identified by Education Collaboration Cohort Colleges</b> .....	<b>8</b>
<b>Appendix 3 – Available OER for Courses Specified in the Elementary Teacher Education Transfer Model Curriculum (T</b> .....	<b>10</b>
Required “Core” Courses: .....	10
Introduction to Elementary Classroom Teaching (EDUC 200).....	10
Earth Science for Educators OR Earth Science with lab (GEOL 120 & 120L or GEOL 121) .....	10
Public Speaking (C-ID COMM 110).....	10
College Composition (C-ID ENGL 100).....	10
Biology for Educators OR General Biology w/lab.....	10
Math for Elementary Teachers I (MATH 120).....	11

World History to 1500 (C-ID HIST 150).....	11
Introduction to Literature (C-ID ENGL 120).....	11
World Regional Geography (C-ID GEOG 125).....	11
Introduction to American Government and Politics (C-ID POLS 110).....	11
US History to 1877 (C-ID HIST 130).....	11
Child Growth and Development (C-ID CDEV 100).....	11
List A – Select one from the following - any course articulated as fulfilling CSU GE A3 with Freshman Composition as a prerequisite.....	11
List B – Select one from the following: .....	11
Understanding Art (ARTH 100) .....	11
Dance History and Appreciation or Introduction to Dance .....	11
Music Appreciation (MUS 100).....	11
Introduction to Theatre (THTR 111) .....	11
<b>Appendix 5 – Anticipated New Open Educational Resources.....</b>	<b>12</b>
<b>Appendix 6 – ZTC Acceleration Grant Education Collaboration Cohort Memo .....</b>	<b>13</b>
Cohort Participants and Data Collection .....	13
Cohort Convening.....	13
Findings .....	13
Required Core Courses without Established OER .....	14
Required Core Courses with Established OER .....	14
Additional Courses.....	16
Conclusions .....	17

## **INTRODUCTION**

The Teacher Education Collaboration Cohort consisted of six colleges. All of the cohort colleges are working on the same pathway, the Elementary Teacher Education Associate of Arts for Transfer (AA-T) degree.

The ASCCC OERI collected course level data for each of the pathways including current ZTC status, adopted resources, and plans to convert a course to ZTC to identify overlap and areas of potential collaboration. Since all colleges are converting the Elementary Teacher Education AA-T, the courses were grouped using the Elementary Teacher Education Transfer Model Curriculum (TMC) to identify commonalities.

## **COLLABORATION COHORT PURPOSE**

The Academic Senate for California Community Colleges (ASCCC) Open Educational Resources Initiative (OERI) facilitated the work of the ZTC Acceleration Grant Education Collaboration Cohort. Although this process was introduced to prevent the duplication of effort, it also provides a means to ensure the awareness of available OER and other sustainable means of achieving ZTC status, share OER development plans, and identify opportunities for collaboration across colleges. At the conclusion of the cohort process, the OERI will provide a report to the California Community Colleges Chancellor's Office (CCCCO) that will document the work of the cohort, verify the absence of duplicative plans, and/or delineate how duplication will be prevented or minimized.

## **EDUCATION COLLABORATION COHORT – MEMBER COLLEGES AND ZTC PATHWAYS**

The following colleges participated in the Teacher Education Collaboration Cohort and all are working on establishing an Elementary Teacher Education Associate of Arts for Transfer (AA-T) Zero Textbook Cost (ZTC) pathway:

- American River College (ARC)
- Coalinga College
- College of the Desert (CoD)
- Merced College
- San Diego Mesa College (SD Mesa)
- Reedley College

The ASCCC OERI collected course level data for each of the courses in the pathway including current ZTC status, adopted resources, and plans to convert a course to ZTC to identify overlap and areas of potential collaboration. Since all colleges are converting the Elementary Teacher Education AA-T, the courses were grouped using the Elementary Teacher Education Transfer Model Curriculum (TMC) to identify commonalities.

## **STATUS OF COURSES SPECIFIED IN THE ELEMENTARY TEACHER EDUCATION TRANSFER MODEL CURRICULUM AT COHORT COLLEGES**

The status and plans for the required Elementary Teacher Education AA-T courses are listed below.

### **Introduction to Education (C-ID EDUC 200)**

- ZTC – ARC, Coalinga, Merced, SD Mesa
- Adopting [Introduction to Education \(Beasley and Haulmark, 2021\)](#) and creating Canvas shells with H5P activities - Reedley
- Adapting existing OER. Considering [Foundations of Education \(SUNY Oneonta\)](#) - CoD

### **Math for Elementary Teachers I (C-ID MATH 120)**

- ZTC - ARC, Merced, SD Mesa
- Created new OER: [Math for Educators \(MATH 010A and 010B CID120\)](#). May create ancillary materials - Coalinga
- CoD – Adapting [MATH 011: Math Concepts for Elementary School Teachers – Number Systems](#)
- Reedley – Adapting [Math in Society \(Lippman\)](#)

### **Physical Science for Educators or Survey of Physics and Chemistry (C-ID CHEM 140/PHYS 140) or Intro to Chemistry and Intro to Physics**

- ZTC – ARC (Looking at finding ways to increase adoption for lab sections), Merced,
- ZTC - Created new OER: [Physical Science for Educators](#). – Coalinga (May create ancillary materials.), SD Mesa
- Reedley – Adapting unspecified existing OER
- Plan pending – CoD

### **Earth Science for Educators, without lab (C-ID GEOL 121) or with lab (C-ID GEOL 120 and 120L)**

- ZTC – ARC, SD Mesa
- Coalinga – Created new OER: [Introduction to Earth Science](#)
- Plan pending – CoD, Merced
- Reedley – Adapting unspecified existing OER

### **Public Speaking (C-ID COMM 110)**

- ZTC – ARC, Coalinga, CoD, Merced, SD Mesa
- Reedley – Adopting [Exploring Public Speaking: 4th Edition](#)

### **College Composition (C-ID ENGL 100)**

- ZTC – ARC, Coalinga, Merced, SD Mesa
- Adapting [Excelsior Online Reading Lab –](#) Reedley

- Plan pending - CoD

### **Biology for Educators or General Biology w/lab**

- ZTC – ARC, Coalinga, Merced, SD Mesa
- Plan pending – CoD, Merced, SD Mesa, Reedley

### **World History to 1500 (C-ID HIST 150)**

- ZTC – ARC, Coalinga, SD Mesa
- Adopting [World History Project](#) - CoD
- Plan pending – Merced, Reedley

### **Intro to Literature (C-ID ENGL 120)**

- ZTC – ARC, SD Mesa
- Adapting existing unspecified OERs - Coalinga
- Plan pending – CoD, Merced
- Adapting existing OER – Reedley

### **World Regional Geography (C-ID GEOG 125)**

- ZTC – ARC, Coalinga, SD Mesa
- Plan pending – CoD, Merced, Reedley

### **Introduction to American Government and Politics (C-ID POLS 110)**

- ZTC – Coalinga, CoD, Merced, SD Mesa, Reedley
- Plan pending - ARC

### **US History to 1877 (C-ID HIST 130)**

- ZTC – ARC, Coalinga, Merced, SD Mesa
- ZTC. Looking to increase offerings – CoD
- Adapting existing unspecified OER – Reedley
- Plan pending – ARC

### **Child Growth and Development (C-ID CDEV 100)**

All participating colleges currently offer this course as ZTC.

### **ADDITIONAL COURSES**

Additional courses that are currently ZTC were excluded from the following list.

- Merced: Intro to Education II – Plan pending
- Merced: Ethnicity and Culture – Plan pending
- Merced: Principles of Astronomy – Plan pending
- Merced: Survey of Western Art from Renaissance to Contemporary (C-ID ARTH 120) – Plan pending

- Coalinga: Structure and Concepts in Mathematics II – Adopting existing unspecified OER
- Coalinga: Introduction to Ethnic Studies – Adopting existing unspecified OER
- Coalinga: Introduction to Linguistic Anthropology (C-ID ARTH 130) – Adopting existing unspecified OER
- Reedley: Intro to Language for Teachers – Plan pending

## CONCLUSIONS

The Teacher Education Collaboration Cohort convened synchronously via Zoom on April 22, 2024. The ASCCC OERI presented the group with the results of the data collection process and asked for clarity where data were missing. In addition, the ASCCC OERI presented available OER for the cohort's consideration. A follow-up meeting to discuss collaborative opportunities on September 18, 2024.

The Elementary Teacher Education AA-T requires many courses across a variety of different disciplines. The Cohort's discussions focused primarily on the three courses that are unique to this AA-T and taught by other disciplines:

- Math for Elementary Teachers I (C-ID MATH 120)
- Earth Science for Educators, without lab (C-ID GEOL 121) or with lab (C-ID GEOL 120 and 120L)
- Physical Science for Educators or Survey of Physics and Chemistry (C-ID CHEM 140/PHYS 140) or Intro to Chemistry and Intro to Physics

These three courses also had limited OER options compared to the rest of the core requirements which are commonly introductory courses in other degrees or general education requirements. In addition to the challenges associated with identifying resources for these courses, concern was also expressed about the impact of the math course not being accepted as a general education course in CalGETC. If resources are available to support collaborative OER development in the future, these three courses would be logical ones to focus on as they are service courses for the primary disciplines and necessary for this particular pathway.

## APPENDIX 1 – THE ELEMENTARY TEACHER EDUCATION TRANSFER MODEL CURRICULUM

Title	C-ID Designation
Introduction to Education	EDUC 200
Earth Science for Educators Earth Science with lab	GEOL 120 and 120L or GEOL 121 No C-ID
Public Speaking	COMM 110
College Composition	ENGL 100
Physical Science for Educators or Survey of Physics and Chemistry or Intro to Chemistry (5) and Intro to Physics (4)	No C-ID or CHEM 140 or PHYS 140 or No C-ID
Biology for Educators or General Biology w/lab	No C-ID
Math for Elementary Teachers I	MATH 120
World History to 1500	HIST 150
Introduction to Literature	ENGL 120
World Regional Geography	GEOG 125
Intro to American Government and Politics	POLS 110
US History to 1877	HIST 130
Child Growth and Development	CDEV 100
List A: One course	
Any course articulated as fulfilling CSU GE A3	Various
List B: One course	
Understanding Art	ARTH 100
Dance History and Appreciation or Introduction to Dance	No C-ID
Music Appreciation	MUS 100
Intro to Theatre	THTR 111
Survey of the Arts	No C-ID

## APPENDIX 2 – RESOURCES IN USE OR IDENTIFIED BY EDUCATION COLLABORATION COHORT COLLEGES

Resource	Course(s)	College(s)
<a href="#">A World Perspective of Art Appreciation (Gustlin and Gustlin) (CC BY-NC-SA)</a>	C-ID ARTH 100 Understanding Art	College of the Desert
<a href="#">Introduction to Art: Design, Context, and Meaning (Sachant et al.) (CC BY-SA)</a>	C-ID ARTH 100 Understanding Art	College of the Desert
<a href="#">Child Growth and Development (Paris, Ricardo, Rymond, and Johnson)</a>	C-ID CDEV 100 Child Growth and Development	American River, Coalinga, College of the Desert, Reedley
<a href="#">Stand Up, Speak Out: The Practice and Ethics of Public Speaking (University of Minnesota Libraries Publishing)</a>	C-ID COMM 110 Public Speaking	Coalinga
<a href="#">Exploring Public Speaking: 4th Edition</a>	C-ID COMM 110 Public Speaking	American River, Reedley
<a href="#">Foundations of Education (SUNY Oneonta)</a>	C-ID EDUC 200 Intro to Education	College of the Desert
<a href="#">Introduction to Teaching (Bonds) (CC BY-NC-SA)</a>	C-ID EDUC 200 Intro to Education	Coalinga
<a href="#">Education 30: Introduction to Education (Perez) (CC BY-SA)</a>	C-ID EDUC 200 Intro to Education	Coalinga
<a href="#">Introduction to Education (Beasley and Haulmark, 2021) (CC BY-SA)</a>	C-ID EDUC 200 Intro to Education	Reedley
<a href="#">Rhetoric and Composition/Rhetorical Analysis (Wikibooks, 2021) (CC BY-SA)</a>	C-ID ENGL 100 College Composition	Coalinga
<a href="#">World Regional Geography: People, Places and Globalization</a>	C-ID GEOG 125 World Regional Geography	Coalinga
<a href="#">World Regional Geography: People, Places and Globalization – LibreTexts (CC BY-NC-SA)</a>	C-ID GEOG 125 World Regional Geography	Coalinga
<a href="#">Introduction to Earth Science (C-ID: GEOL 121) (Coalinga) (CC-BY-NC-SA)</a>	C-ID GEOL 120 Earth Science	Coalinga
<a href="#">U.S. History (OpenStax)</a>	C-ID HIST 130 US History to 1877	Coalinga



<b>Resource</b>	<b>Course(s)</b>	<b>College(s)</b>
<a href="#">The American Yawp</a>	C-ID HIST 130 US History to 1877	College of the Desert
<a href="#">World History: Cultures, States, and Societies to 1500 (Berger et al.)</a>	C-ID HIST 150 World History to 1500	Coalinga
<a href="#">World History Project</a>	C-ID HIST 150 World History to 1500	College of the Desert
<a href="#">MATH 011: Math Concepts for Elementary School Teachers – Number Systems</a>	C-ID MATH 120 Math for Elementary Teachers	College of the Desert
<a href="#">Math for Educators (MATH 010A and 010B CID120) (Coalinga) (CC BY-NC)</a>	C-ID MATH 120 Math for Elementary Teachers	Coalinga
<a href="#">Physical Science for Educators (2024, Coalinga) (CC-BY-NC)</a>	C-ID PHYS 140 Survey of Physics and Chem	Coalinga
<a href="#">Introduction to California Government and Politics</a>	C-ID POLS 110 Intro to American Government and Politics	College of the Desert
<a href="#">American Government 3e OpenStax</a>	C-ID POLS 110 Intro to American Government and Politics	College of the Desert, Coalinga, SD Mesa

## APPENDIX 3 – AVAILABLE OER FOR COURSES SPECIFIED IN THE ELEMENTARY TEACHER EDUCATION TRANSFER MODEL CURRICULUM (T

The following list provides examples of existing Open Educational Resources (OER) that can be used for the indicated courses. The structure presented here aligns with the [Elementary Teacher Education Transfer Model Curriculum](#). Access the complete curated collection of resources for at [OER and the Elementary Teacher Education TMC](#).

### Required “Core” Courses:

#### Introduction to Elementary Classroom Teaching (**EDUC 200**)

- [Introduction to Education \(BETA\): Becoming a Professional \(Beasley and Haulmark\)](#) (CC BY-SA)

#### Earth Science for Educators OR Earth Science with lab (**GEOL 120 & 120L or GEOL 121**)

Earth Science for Educators

- [Introduction to Earth Science \(C-ID: GEOL 121\) \(Coalinga College\)](#) (CC BY-NC-SA)
- [Physical Geography Lab Manual \(Ray et al., 2020\)](#) (CC BY-NC 4.0) – LibreTexts
- [The Physical Environment: An OER Geography Textbook \(Ritter, 2020\)](#);

Earth Science with Lab

- [Physical Geography Lab Manual \(Ray et al., 2020\)](#) (CC BY-NC 4.0) – LibreTexts

#### Public Speaking (**C-ID COMM 110**)

- [Speak Out, Call In: Public Speaking as Advocacy Author \(Mepes, 2019\)](#) – Pressbooks (CC BY-NC-SA)
- [COMM 1: Introduction to Public Speaking \(2023\)](#) – Fresno City College (CC BY-NC-SA)
- [Using Your Speech Power! Instructional Materials for Communication Teachers and Students](#) (CC BY-SA 4.0)

#### College Composition (**C-ID ENGL 100**)

- [Critical Worlds Subtitle: A Targeted Introduction to Literary Analysis \(Liza Long, 2023\)](#) – Pressbooks (CC BY)
- [EmpoWord: A Student-Centered Anthology and Handbook for College Writers \(Abrams, 2018\)](#)
- [How Arguments Work: A Guide to Writing and Analyzing Texts in College \(Mills et al., ASCCC OERI, 2022\)](#) – LibreTexts

Physical Science for Educators or Survey of Physics and Chemistry (**C-ID CHEM 140 or C-ID PHYS 140**) or Introduction to Chemistry and Introduction to Physics

Physical Science for Educators - None identified

Survey of Physics and Chemistry (**C-ID CHEM 140 or C-ID PHYS 140**)

- [Physical Science for Educators \(CID: PHYS 14\) \(Mona, Kumari, Evans, Henry, Ford, and Ford\)](#) (CC BY-NC-SA)
- [Introduction to Physics \(Park, 2018\)](#) – LibreTexts (CC BY 4.0)

#### Biology for Educators OR General Biology w/lab

- [Concepts of Biology \(Links to an external site.\)](#) (OpenStax)
- [General Biology BioSci 100 Laboratory Manual 4th Edition \(Sanver-Wang, n.d.\)](#) – College of the Canyons (CC BY 4.0)

Available OER for Courses Specified in the Elementary Teacher Education Transfer Model Curriculum (Continued)

•

### **Math for Elementary Teachers I (MATH 120)**

- [MATH 011: Math Concepts for Elementary School Teachers – Number Systems](#)
- [Math for Educators \(MATH 010A and 010B CID120\) \(Coalinga\) \(CC BY-NC\)](#)
- [MyOpenMath Understanding Elementary Mathematics \(Julie Harland\) – MyOpenMath \(CC BY\)](#)

### **World History to 1500 (C-ID HIST 150)**

- [World History Project: Origins to the Present \(Bob Bain and Trevor Getz, 2024\) \(CC BY-NC\)](#)
- [World History: Cultures, States, and Societies to 1500 \(Berger et al.\)](#)

### **Introduction to Literature (C-ID ENGL 120)**

- See the [C-ID English 110](#) list. As per [the course description, C-ID English 110](#), Argumentative Writing and Critical Thinking Through Literature, is designed to include English 120 content.

### **World Regional Geography (C-ID GEOG 125)**

- [OERI Contemporary World Geographies \(Gregorio, Naraghi, Ray, Scott, Sellers, and Wallace\) \(CC BY-NC-SA\)](#)
- [Introduction to World Regional Geography \(Dastrup, 2019\) \(CC BY-NC-SA 4.0\)](#)

### **Introduction to American Government and Politics (C-ID POLS 110)**

- [Introduction to California Government and Politics \(Reti\) – LibreTexts \(CC BY\)](#)
- [American Government 3e – LibreTexts \(CC BY\)](#)
- [American Government \(Lenz and Holman, 2018\) \(CC BY-NC-ND 4.0\)](#)

### **US History to 1877 (C-ID HIST 130)**

- [American History I: Colonial Period to Civil War \(Williamson and Aiello\) \(CC BY\)](#)
- [History in the Making: A History of the People of the United States of America to 1877 \(Locks et al., 2013\) \(CC BY-SA\)](#)
- [U.S. History \(OpenStax\)](#)

### **Child Growth and Development (C-ID CDEV 100)**

- [Understanding the Whole Child: Growth and Development Conception through Adolescence \(Saddleback College\) – Pressbooks \(CC BY\)](#)
- [Child Growth and Development – LibreTexts \(CC BY, except where otherwise noted\)](#)

**List A – Select one from the following - any course articulated as fulfilling CSU GE A3 with Freshman Composition as a prerequisite.**

**List B – Select one from the following:**

### **Understanding Art (ARTH 100)**

- [Art Appreciation \(Asa Sion Mittman, 2023\) – Smart History \(CC BY-NC\)](#)
- [Introduction to Art: Design, Context, and Meaning \(Sachant et al.\) \(CC BY-SA\)](#)

**Dance History and Appreciation or Introduction to Dance** - No resources identified.

**Music Appreciation (MUS 100)** - No resources identified.

**Introduction to Theatre (THTR 111)** - No resources identified.

## APPENDIX 5 – ANTICIPATED NEW OPEN EDUCATIONAL RESOURCES

Course	Project	College(s)
C-ID EDUC 200 Intro to Education	Adapting <a href="#">Foundations of Education (SUNY Oneonta)</a>	College of the Desert
C-ID EDUC 200 Intro to Education	Creating Canvas shells with H5P activities to accompany <a href="#">Introduction to Education (Beasley and Haulmark, 2021)</a>	Reedley
C-ID MATH 120 Math for Elementary Teachers	Created new OER: <a href="#">Math for Educators (MATH 010A and 010B CID120)</a>	Coalinga
C-ID MATH 120 Math for Elementary Teachers	Adapting <a href="#">MATH 011: Math Concepts for Elementary School Teachers – Number Systems</a>	College of the Desert
C-ID MATH 120 Math for Elementary Teachers	Adapting <a href="#">Math in Society (Lippman)</a>	Reedley
C-ID CHEM 140/PHYS 140 Survey of Physics and Chemistry	Created new OER: <a href="#">Physical Science for Educators</a>	Coalinga, SD Mesa
C-ID GEOL 120 Earth Science	Created new OER: <a href="#">Introduction to Earth Science (C-ID: GEOL 121) (Coalinga) (CC-BY-NC-SA)</a>	Coalinga
C-ID ENGL 100 College Composition	Adapting <a href="#">Excelsior Online Reading Lab</a>	Reedley

## APPENDIX 6 – ZTC ACCELERATION GRANT EDUCATION COLLABORATION COHORT MEMO



**ACADEMIC SENATE**  
for California Community Colleges  
LEADERSHIP • EMPOWERMENT • VOICE

**Academic Senate for California Community Colleges**  
One Capitol Mall, Suite 230 Sacramento, CA 95814  
(916) 445-4753 [info@asccc.org](mailto:info@asccc.org) [www.asccc.org](http://www.asccc.org)

DATE: October 17, 2024  
NAME: Chad Funk, Program Specialist  
ADDRESS: 1102 Q Street, Sacramento, California 95811  
SUBJECT: Teacher Education ZTC Acceleration Grant Collaboration Cohort  
ASCCC OERI FACILITATOR: Suzanne Wakim, ASCCC OERI Project Facilitator

### **Cohort Participants and Data Collection**

The following colleges participated in the Teacher Education Collaboration Cohort and all are working on establishing an Elementary Teacher Education Associate of Arts for Transfer (AA-T) Zero Textbook Cost (ZTC) pathway:

- American River College (ARC)
- Coalinga College – previously awarded
- College of the Desert (CoD)
- Merced College
- San Diego Mesa College (SD Mesa)
- Reedley College

The ASCCC OERI collected course level data for each of the courses in the pathway including current ZTC status, adopted resources, and plans to convert a course to ZTC to identify overlap and areas of potential collaboration. Since all colleges are converting the Elementary Teacher Education AA-T, the courses were grouped using the Elementary Teacher Education Transfer Model Curriculum (TMC) to identify commonalities.

### **Cohort Convening**

The Teacher Education Collaboration Cohort convened synchronously via Zoom on April 22, 2024. The ASCCC OERI presented the group with the results of the data collection process and asked for clarity where data were missing. In addition, the ASCCC OERI presented available OER for the cohort's consideration. A follow-up meeting to discuss collaborative opportunities on September 18, 2024.

### **Findings**

The Elementary Teacher Education AA-T requires many courses across a variety of different disciplines. Our discussions focused primarily on the three courses that are unique to this AA-T. These three courses also had limited OER options compared to the rest of the core requirements which are commonly introductory courses in other degrees

or general education requirements. The status and plans for the required Elementary Teacher Education AA-T courses are listed below.

### **Required Core Courses without Established OER**

*Intro to Education (C-ID EDUC 200)*

- ARC – ZTC
- Coalinga - ZTC
- CoD – Adapting existing OER. Considering [Foundations of Education \(SUNY Oneonta\)](#)
- Merced – ZTC
- SD Mesa – ZTC
- Reedley – Adopting [Introduction to Education \(Beasley and Haulmark, 2021\)](#) and creating Canvas shells with H5P activities.

*Math for Elementary Teachers I (C-ID MATH 120)*

- ARC – ZTC
- Coalinga – Created new OER: [Math for Educators \(MATH 010A and 010B CID120\)](#). May create ancillary materials.
- CoD – Adapting [MATH 011: Math Concepts for Elementary School Teachers – Number Systems](#)
- Merced – ZTC
- SD Mesa – ZTC
- Reedley – Adapting [Math in Society \(Lippman\)](#)

*Physical Science for Educators or Survey of Physics and Chemistry (C-ID CHEM 140/PHYS 140) or Intro to Chemistry and Intro to Physics*

- ARC – ZTC. Looking at finding ways to increase adoption for lab sections.
- Coalinga – Created new OER: [Physical Science for Educators](#). May create ancillary materials.
- CoD – Plan pending
- Merced – ZTC
- SD Mesa – ZTC. Collaborated with Coalinga to create new OER: [Physical Science for Educators](#)
- Reedley – Adapting existing OER

### **Required Core Courses with Established OER**

*Earth Science for Educators, without lab (C-ID GEOL 121) or with lab (C-ID GEOL 120 and 120L)*

- ARC – ZTC
- Coalinga – Created new OER: [Introduction to Earth Science](#)

- CoD – Plan pending
- Merced – Plan pending
- SD Mesa – ZTC
- Reedley – Adapting existing OER

*Public Speaking (C-ID COMM 110)*

- ARC – ZTC
- Coalinga – ZTC
- CoD – ZTC
- Merced – ZTC
- SD Mesa – ZTC
- Reedley – Adopting [Exploring Public Speaking: 4th Edition](#)

*College Composition (C-ID ENGL 100)*

- ARC – ZTC
- Coalinga – ZTC
- CoD – Plan pending
- Merced – ZTC
- SD Mesa – ZTC
- Reedley – Adapting [Excelsior Online Reading Lab](#)

*Biology for Educators or General Biology w/lab*

- ARC – ZTC
- Coalinga – ZTC
- CoD – Plan pending
- Merced – Plan pending
- SD Mesa – Plan pending
- Reedley – Plan pending

*World History to 1500 (C-ID HIST 150)*

- ARC – ZTC
- Coalinga – ZTC
- CoD – Adopting [World History Project](#)
- Merced – Plan pending
- SD Mesa – ZTC
- Reedley – Plan pending

*Intro to Literature (C-ID ENGL 120)*

- ARC – ZTC
- Coalinga – Adopting OER

- CoD – Plan pending
- Merced – Plan pending
- SD Mesa – ZTC
- Reedley – Adapting existing OER

*World Regional Geography (C-ID GEOG 125)*

- ARC – ZTC
- Coalinga – ZTC
- CoD – Plan pending
- Merced – Plan pending
- SD Mesa – ZTC
- Reedley – Plan pending

*Intro to American Government and Politics (C-ID POLS 110)*

- ARC – Plan pending
- Coalinga – ZTC
- CoD – ZTC
- Merced – ZTC
- SD Mesa – ZTC
- Reedley - ZTC

*US History to 1877 (C-ID HIST 130)*

- ARC – Plan pending
- Coalinga – ZTC
- CoD – ZTC. Looking to increase offerings.
- Merced – ZTC
- SD Mesa – ZTC
- Reedley – Adapting existing OER

*Child Growth and Development (C-ID CDEV 100)*

All participating colleges currently offer this course as ZTC.

**Additional Courses**

Additional courses that are currently ZTC were excluded from the following list.

- Merced: Intro to Education II – Plan pending
- Merced: Ethnicity & Culture – Plan pending
- Merced: Principles of Astronomy – Plan pending
- Merced: Survey of Western Art from Renaissance to Contemporary (C-ID ARTH 120) – Plan pending
- Coalinga: Structure & Concepts in Mathematics II – Adopting existing OER



- Coalinga: Intro to Ethnic Studies – Adopting existing OER
- Coalinga: Intro to Linguistic Anthropology (C-ID ARTH 130) – Adopting existing OER
- Reedley: Intro to Language for Teachers – Plan pending

### **Conclusions**

The Elementary Teacher Education Transfer Model Curriculum and the resulting local degrees are unique as they contain only one course in the education discipline. As the core requirements are courses that are taught by many different disciplines, the potential discussions that could happen between the participating faculty in the cohort were limited. However, the collaborative process did result in SD Mesa contributing to Coalinga College's ongoing project to create a resource for teaching Survey of Physics and Chemistry (C-ID PHYS 140). In addition, Coalinga College shared their newly created OER for Math for Elementary Teachers I (C-ID MATH 120) for the cohort's consideration. The challenges associated with these two courses are noteworthy as they are courses unique to this pathway that are necessarily taught by faculty in other disciplines. In addition, courses aligned with C-ID MATH 120 are unlikely to be general education in CalGETC, which is likely to impact their enrollment.

A number of colleges are still identifying plans for how to convert the courses with established OER. The ASCCC OERI recommends that any college with "plan pending" listed in the sections above review the cohort plans and consider adoption before OER creation. There is no evidence for duplication of efforts amongst the proposed plans.