

# SECONDARY SCIENCE LICENSE, BA - RURAL PARTNERSHIP WITH OTERO JUNIOR COLLEGE

## Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/school-education-human-development/>) to see School of Education & Human Development information.

The Education and Human Development major focuses on engaging Colorado's rapidly diversifying student and family population. It combines cutting-edge research with real classroom experiences. You'll learn from innovative faculty members who are locally, nationally and internationally recognized for their research in secondary science education. They will provide you with a robust knowledge base and relevant learning experiences in transforming deep content knowledge into learning experiences for youth across multiple cultural contexts as it relates to teaching youth in grades 7 through 12. You'll engage in powerful classroom experiences and benefit from our rich 20-year history of partnering with schools to prepare teachers.

We will prepare you to become a highly effective, innovative and compassionate secondary science teacher skilled in improving student performance and reaching the needs of today's diverse learners in a variety of school settings. You will have the skills to be a teacher leader. CU Denver graduates often go on to acquire positions in educational leadership as their careers progress.

This program is a rural partnership with Otero Junior College (OJC) in La Junta, Colorado. Students complete the first two years of the program at OJC to complete an Associate of Arts degree and then transfer to CU Denver to complete their final two years to complete the BA - EDHD Secondary Science Education degree. During the final two years, students complete CU Denver coursework remotely from La Junta and are not required to travel to Denver. Advising is provided during all four years of the program, whether students are OJC or CU Denver students. Coursework is delivered in a variety of ways, including online, video conferencing, in-person in La Junta, and fieldwork in rural Colorado in and around La Junta.

## Program Delivery

- This is an on-campus program in La Junta with a variety of delivery options for many of our courses including hybrid, evening, weekend, and online courses.

## Declaring This Major

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/records-registration/registration/declare-change-major-minor/>) to go to information about declaring a major.

## General Requirements

To earn a degree, students must satisfy all requirements in each of the three areas below, in addition to their individual major requirements.

- CU Denver General Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/general-graduation-requirements/>)
- CU Denver Core Curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/>)
- School of Education and Human Development Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/school-education-human-development/#graduationrequirementstext>)
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/records-registration/registration/declare-change-major-minor/>) for information about Academic Policies

## Program Requirements

- Students must complete a minimum total of 126 semester hours for the EDHD Secondary Science Education Track.
- Students must pass the appropriate Praxis Exam prior to beginning their final semester of their Professional Year. It is recommended students complete the exam in the year prior to their Professional Year.
- Application to the last year of the program, the Professional Year Residency is required. After successfully completing all other Core, major, and elective courses, all students must apply for admission into the Professional Year. Requirements for admission include a 3.0 GPA, positive letters of recommendation, successful evaluations of earlier clinical experiences, and a successful interview. (Students with a lower GPA may be considered under certain conditions. Please see SEHD website (<https://education.ucdenver.edu/academic-services/student-resources/undergraduate/>)).
- A minimum GPA of 2.0, grade of C or better, is required for all courses applying to EDHD - Secondary Science Education requirements unless otherwise specified.
- Students must complete and maintain a 3.0 minimum grade point average in Professional Year coursework to complete licensure requirements. Please see an advisor for more information on this requirement.
- Transfer courses must be approved by faculty and/or advisor to apply to the major.

Students will receive transfer credit for all of the following content and major requirements:

Code	Title	Hours
<b>Content and Major Requirements</b>		
MATH 1110	College Algebra (or higher)	4
BIOL 2010	Organisms to Ecosystems (Gen Bio)	3
BIOL 2011	Organisms to Ecosystems Lab (Gen Bio)	1
BIOL 2020	Molecules to Cells (Gen Bio)	3
BIOL 2021	Molecules to Cells Lab (Gen Bio)	1
CHEM 2031	General Chemistry I	3
CHEM 2038	General Chemistry Laboratory I	1
PHYS 2010	College Physics I	4
	or PHYS 2311 General Physics I: Calculus-Based	
PHYS 2321	Intro Experimental Phys Lab I	1
GEOL 1073	Physical Geology: Surface Processes	3
GEOL 1074	Physical Geology: Surface Processes Laboratory	1
EDFN 1000	Equality, Rights & Education	3

HDFR 3050	Children's Thinking and Assessment	3
EDHD 1930	Community Based Field Experience & Seminar <sup>1</sup>	3
SPED 4030	Understanding (dis)Ability in Contemporary Classrooms <sup>1</sup>	3
Select one of the following:		4-5
CHEM 2061 & CHEM 2068	General Chemistry II and General Chemistry Laboratory II	
PHYS 2020 & PHYS 2341	College Physics II and Intro Experimental Phys Lab II	
PHYS 2331 & PHYS 2341	General Physics II: Calculus-Based and Intro Experimental Phys Lab II	
<b>Major Courses</b>		
CLDE 2000	CLDE Foundations <sup>1</sup>	3
EDFN 4010	Social Foundations and Cultural Diversity in Urban Education <sup>1</sup>	3
CLDE 4020	Responsive Classroom Communities <sup>1</sup>	3
SPED 4400	Universal Design for Learning (UDL)	3
SCED 4350	Issues and Trends in Science Education	3
SCED 4340	Equity & Culture in Science Education: Local/Global	3
EDHD 2930	Learning & Development Field Experience & Seminar <sup>1</sup>	2-3
EDHD 3930	Diverse Learners Field Experience & Seminar <sup>1</sup>	3
<b>Professional Year Courses</b>		
A minimum grade of B- is required in each course.		
UEDU 4040	Planning for Learning	3
LCRT 4100	Secondary Literacy Instruction and Assessment	3
SCED 4400	Theory and Pedagogy of Science Learning	3
SCED 4401	Inquiry Science Pedagogy and Practices	3
UEDU 4050	Elementary Capstone: Planning, Instruction & Assessment	3
or STME 4051	STEM Capstone: Secondary Education	
UEDU 4931	Internship & Lrng Comm I	2
UEDU 4932	Internship & Lrng Comm II	2
UEDU 4933	Internship & Lrng Comm III	6
<b>General Electives</b>		
Additional required courses from the community college pathway transfer in as electives to reach the required hours for the BA		
Total Hours		89-91

<sup>1</sup> Courses require a grade of B- or better; all other courses require a grade of C or better. Students who do not have a B- or better in the specified courses must consult with their advisors about a plan to retake the course or complete additional work.

To review the Degree Map for this program, please visit our website (<https://www.ucdenver.edu/student/advising/undergraduate/degree-maps/sehd/>).