

SECONDARY SCIENCE ENDORSEMENT APPLICATION - EARTH SCIENCE PATHWAY

Application for the Utah State Board of Education

APPLICANT INFORMATION

Name:	CA	ACTUS ID#:
E-mail:		

PURPOSE

This application allows an educator to apply for the Earth Science Pathway Secondary Science Endorsements which includes the Science Core, Earth Science 1, and the Earth Science 2 endorsements. This application can be used to apply for one, two, or all three endorsements

Science Core Endorsement

This endorsement, when attached to a current Educator License, verifies that the individual has the skills and knowledge necessary to teach students three-dimensionally in a secondary science classroom and is required to teach Middle School Science Courses in Grades 6, 7, or 8. Additionally, this endorsement is required as a prerequisite to earn any high school Level-1 or Level-2 content specific science endorsement.

Earth Science 1 Endorsement

This endorsement, when attached to a current Secondary Education License, verifies that the individual has the skills and knowledge necessary to teach students in a secondary earth science classroom and is required to teach High School (9-12) General Earth and Space Science Course and High School Astronomy, Environmental Science, Geology, and Meteorology Elective Courses. This endorsement is required as a prerequisite to earn Secondary Earth Science 2 which is required for Advanced courses (AP Environmental Science) and other high school earth science elective courses.

Earth Science 2 Endorsement

This endorsement, when attached to a current Secondary Education License, verifies that the individual has the skills and knowledge necessary to teach students in an advanced secondary earth science classroom and is required to teach Advanced Earth/Environmental (AP, CE, and IB) and other high school earth science elective courses. Those with this endorsement can also teach all the courses a Earth Science 1 endorsed educator can teach. NOTE: Advanced Earth/Environmental Science (AP, CE, and IB) courses may also include additional requirements in order to be approved by the university or college board to teach.

ENDORSEMENT LEVEL

Professional endorsements will be awarded when all the requirement areas for that endorsement are met, including the prerequisite professional endorsements requirement areas. An associate endorsement will be awarded if one of the following options are completed for that endorsement as outlined below:

- Science Core
 - Complete at least 3 of the 7 requirement areas.
- Earth Science 1 Endorsement
 - Holds Professional Science Core endorsement
 - Major/Minor in Earth Science
 - Completed at least 5 of the 12 requirement areas
- Earth Science 2
 - Holds Professional Earth Science 1 Endorsement
 - Major in Earth Science
 - Completed at least 6 of the 14 requirement areas.

PRELIMINARY QUESTIONS

Endorsements Applying For: Which endorsements and endorsement level are you applying for? (Select all that apply)

- Associate Science Core
- Professional Science Core
- Associate Earth Science 1
- Professional Earth Science 1
- Associate Earth Science 2
- Professional Earth Science 2

Science Core Endorsement: A professional Science Core Endorsement meets requirement areas 1-7 of the Earth Science Endorsement Pathway. Do you have a Professional Science Core Endorsement?
Yes, year completed
• No
Elementary Science Endorsement: A professional Elementary Science Endorsement meets requirement area 5 of the Earth Science Endorsement Pathway. Do you have a Professional Elementary Science Endorsement?
Yes, Year Completed
• No.
Earth Science 1 Endorsement: A professional Earth Science 1 Endorsement meets requirement areas 8-12 of the Earth Science Endorsement Pathway. Do you have a Professional Earth Science 1 Endorsement?
Yes, Year Completed
• No.
Middle School Praxis Exam: Did you pass the Middle School Science Praxis exam (5442) with a score of 152 or higher? Note: Praxis exam IS NOT required, but is one way to demonstrate competency for requirement areas 1-4. • No
• Yes Score: Year Taken:
I passed an equivalent exam. Test Name:
Middle Grades NES Test: Did you pass the Middle Grades General Science (205) NES Test with a score of 220 or higher? Note: NES exam IS NOT required, but is one way to demonstrate competency for requirement areas 1-4. • No
• Yes Score: Year Taken:

	e of 148 or higher? Note: F te competency for require	Praxis exam IS NOT required, but is one way to ment areas 8-12.
• Yes	Score: Year Taker	n:
• I pas	sed an equivalent exam. T	est Name:
with a scor		s the Earth and Space Science (322) NES Test NES exam IS NOT required, but is one way to ment areas 8-12.
• Yes	Score: Year Taker	n:
Earth Scient (e.g. Environmajor/min	ice Education, Physical Scienmental Science, Geology,	e a degree major or minor in Earth Science, nce Education, or an Earth Science Variation Meteorology, Astronomy)? A degree ne way to demonstrate competency for
• Yes	University:	Major or minor?
Maj	or/minor name:	Year:
Environme attended the Summer In least 2 year Experience demonstrate No Yes, Envi Yes, atten	ntal Science or IB Environme associated Professional stitute or IB DP Environmers of teaching the course at and Professional Learning te competency for required taught AP Environmental ronmental Science Summe I taught IB Environmental S	Science for 3 years and attended 1 r Institute Systems and Societies for 3 years and estems and Societies Workshop
(*Attacl	n documentation of completion)	Dates:

Earth Science Praxis Exam: Did you pass the Earth Science Praxis exam (5572)

ENDORSEMENT REQUIREMENT AREAS

Use the checkboxes below to indicate how each requirement area in the Earth Science Endorsement Pathway has been met. Only one demonstration of competency is needed per requirement area. For more information about the requirement areas, please see the <u>Science Core Endorsement Specs</u> for requirement areas 1-7, the Earth Science 1 Endorsement Specs for requirement areas 8-12 and the Secondary Earth Science 2 Endorsement Specs for requirement areas 13 and 14.

Science Core Requirement Areas

1.	Earth	Scie	nce	Co	ntent	Knov	viec	ıge
	_	_				_	_	

	 Professional Science Core End University Course in General End Meteorology 	lorsement	ogy, or
	University:	Course code:	
	 Course name:		Grade:
2.	 Life Science Content Knowledg Professional Science Core End University Course in General End 	lorsement	
	University:	Course code:	
	 Course name:		Grade:
3.	 Chemistry Content Knowledge Professional Science Core End University Course in General Content 		
	University:	Course code:	
	Course name: • Middle School Science Praxis	Semester/Year: Exam Passed	Grade:

Middle Grades General Science NES Test Passed

4. Physics Content Knowledge

- Professional Science Core Endorsement
- University Course in General Physics

 Course name: Semester/Ye Middle School Science Praxis Exam Passed Middle Grades General Science NES Test Passed 	al Knowledge
	_
 Three-Dimensional Science & Engineering Pedagogic Professional Science Core Endorsement University Course in Three-Dimensional Science and University: Course co 	
 Course name: Semester/Ye Have a Professional Elementary Science Endorsemen Microcredential Stack - <u>Three-Dimensional Science ar</u> (*Must include MIDAS Transcript) Approved USBE or District Course 	ar: Grade: it
Course name:(*Must include MIDAS Transcript or other Document	
 Science Education Teaching & Dispositions Knowledg Professional Science Core Endorsement University Course in Teaching Methods in Science 	ge
University: Course co	ode:
 Course name: Semester/Ye Microcredential Stack - <u>Science Teaching Methods</u> (*Must include MIDAS Transcript) 	ar: Grade:

7. Science Classroom Lab Safety Knowledge

- Professional Science Core Endorsement
- University Course in Classroom Lab Safety

	University:	Course code:	
		Semester/Year: trict approved Safety Course, USB	
	Safety Course		-
	Course name:		Year:
	(*Must include MIDAS Trar	nscript or other Documentation of	Completion)
	Earth Scie	ence 1 Requirement Areas	
8.	 Earth's Place in the Universe Professional Earth Science University Course in Astron 	1 Endorsement	
	University:	Course code:	
	Course name:	Semester/Year:	Grade:
	Science Education, or an Ea		tion, Physical
	Earth Science Praxis ExamEarth Science NES Test Pas		
9.	 Geologic Systems & Processe Professional Earth Science University Course in Geolo 	1 Endorsement	
	•	Course code:	
		Semester/Year: Earth Science, Earth Science Educa	

• Earth Science Praxis Exam Passed

Science Education, or an Earth Science Variation

• Earth Science NES Test Passed

10. Weather & Climate Content Knowledge

- Professional Earth Science 1 Endorsement
- University Course in Meteorology

	University:	Course code:	
	Course name:	Semester/Year:	_ Grade:
•	College Major or Minor in Earth Science	, Earth Science Educatior	ո, Physical
	Science Education, or an Earth Science Variation		
•	Earth Science Praxis Exam Passed		
•	Earth Science NES Test Passed		

11. Biogeology Content Knowledge

- Professional Earth Science 1 Endorsement
- University Course in Ecology

Grade:			
College Major or Minor in Earth Science, Earth Science Education, Physical			

- Earth Science Praxis Exam Passed
- Earth Science NES Test Passed

12. Earth & Human Activity Content Knowledge

- Professional Earth Science 1 Endorsement
- University Course in Environmental Science

University:	Course code:	
Course name:	 _Semester/Year:	_Grade:

- College Major or Minor in Earth Science, Earth Science Education, Physical Science Education, or an Earth Science Variation
- Earth Science Praxis Exam Passed
- Earth Science NES Test Passed

Earth Science 2 Requirement Areas

13. Advanced Data Analysis Content Knowledge

 University Course in General or Applied Statistics University: _____ Course code: _____ Course name: _____ Semester/Year: ____ Grade: ____ • College Major in Earth Science, Earth Science Education, or an Earth Science Variation Teaching Experience with AP/IP Environmental Science and Professional Learning 14. Advanced Earth Science Content Knowledge • Two University Courses in any two of the following Advanced/Applied Earth Science course options (In addition to the Earth Science Courses used to earn the Secondary Earth Science 1 Endorsement): Atmospheric Science Environmental Management Geologic/Natural Hazards Historical Geology, Physical Geology, or Intro to GIS Soil Science • Other upper division (3000+) earth science course University: _____ Course code: _____ Course name: _____ Semester/Year: ____ Grade: ____ University: _____ Course code: _____ Course name: _____ Semester/Year: ____ Grade: ____ • College Major in Earth Science, Earth Science Education, or an Earth Science

APPLICATION SUBMISSION

• Teaching Experience with AP/IP Environmental Science and Professional

Please submit application online in the Utah Educator Licensing Application system, <u>Survey Monkey Apply</u> (https://usbelicensing.smapply.us)

Variation

Learning

APPLICANT'S CERTIFICATIONS

- I certify that the information contained in this application is true.
- *I have submitted any required documentation such as original transcripts, MIDAS transcripts, etc.
- I have sent electronic transcripts directly from the College/University clearinghouse to the USBE Licensing Department at transcripts@schools.utah.gov.