Application for a Secondary Science Endorsement

Name: _____ School/LEA: _____

Major/Minor: _____ CACTUS #: _____

Science Endorsement (s) to be considered: _____

Home Phone: _____ Work Phone: _____

Mailing Address: _____

E-mail Address: _____

Applicant must have a current Educator License with an Elementary (1-8) or Secondary area of concentration

☐ **FOR ENDORSEMENT** (must have all requirements complete when application submitted)

OR

☐ **FOR STATE APPROVED ENDORSEMENT PLAN (SAEP)** (must have current license, be currently teaching in the endorsement area and have 9 semester credits toward requested endorsement)

Date Submitted: _____ Date Received: _____

There are seven science endorsements issued to Educator Licenses:

1. Biological science
2. Earth Science
3. Physical Science
4. Environmental Science
5. Chemistry
6. Physics
7. Middle Level Science

State Approved Endorsement Program (SAEP)

1. An approved SAEP for the Science Endorsement allows a secondary teacher to teach Science classes while working on the endorsement—meaning they are not yet highly qualified in Science.
2. The applicant has two years to complete all requirements for the endorsement.
3. The applicant must have a minimum of nine hours toward the content area endorsement before applying for the SAEP.
4. SAEP processing fee is often paid by the candidate's district.
5. The applicant must document the minimum of nine hours on this application by attaching and highlighting transcript evidence.

Submitting the Application

1. Print and complete this Endorsement Application.
2. The processing fee for each application is **($25.00 for endorsement and $35.00 for SAEP)**
   - For the SAEP application the fee is to be paid by the district or charter school.
3. Attach original transcript(s) and/or CACTUS printouts *with the relevant courses highlighted*.
4. Internet transcripts are **not** acceptable.
5. Send
   - completed application,
   - highlighted original transcripts, and
   - processing fee, to:

Utah State Office of Education – Endorsements
250 East 500 South
P.O. Box 144200
Salt Lake City, UT 84114-4200

For more Information contact:
Sarah Young, Science Education Specialist
sarah.young@schools.utah.gov
(801) 538-7808
250 East 500 South, P.O. Box 144200
Salt Lake City, UT 84114-4200

Choose a Content Specific Endorsement and Complete the Form

Using an original copy of your transcripts, please highlight the corresponding courses and place the course number and institution abbreviation (if more than one) into each requirement box provided.

When there is one box, it signifies that one semester course is required.

When there are two boxes, it signifies that two semester courses (or one year) are required.

Praxis Exams:

Utah Passing Score (UPS)
Praxis score must be at or above the UPS to qualify

The following outlines the **minimum** requirements for each Content Specific Endorsement:

Content Specific Requirements for an Endorsement in **Biological Sciences**		
UPS: 149		Praxis Exam Biology: Content Knowledge (0235)
		General Biology OR General Zoology **and** General Botany
		Zoology
		Cell Biology or Microbiology
		Human Anatomy & Physiology
		Heredity / Genetics
		Ecology
		Chemistry
		Evolutionary Biology
		Teaching Methods in Science
		Safety Certificate

Content Specific Requirements for an Endorsement in **Chemistry**			
UPS: 151			Praxis Exam Chemistry: Content Knowledge (0245)
			Principles of Inorganic Chemistry
			Organic Chemistry
			One other course beyond principles and Organic Chemistry
			Teaching Methods in Science
			Safety Certificate

Content Specific Requirements for an Endorsement in **Earth Science**			
UPS: 153			Praxis Exam: Earth and Space Sciences Content Knowledge (0571)
			Geology (Physical Geology, Hist. Geology, Plate Tectonics, Rocks & Minerals)
			General Physics - **Must be sequential**
			Principles of Inorganic Chemistry - **Must be sequential**
			Astronomy
			Ecology
			Weather/Meteorology
			Teaching Methods in Science
			Safety Certificate

Content Specific Requirements for an Endorsement in **Environmental Science**			
UPS: 149			Praxis Exam: Biology Content Knowledge (0235)
			General Biology OR General Zoology **and** General Botany
			Zoology
			Botany
			Ecology
			Principles of Inorganic Chemistry - **Must be sequential**
			Evolutionary Biology
			Earth Systems Science (Oceanography, Meteorology, Climatology)
			Geology
			Statistics
			Teaching Methods in Science
			Safety Certificate

Content Specific Requirements for an Endorsement in **Physical Science**			
UPS: 150			Praxis Exam: Physical Science Content Knowledge (0481)
			Principles of Inorganic Chemistry - **Must be sequential**
			Advanced or Applied Chemistry
			General Physics - **Must be sequential**
			Advanced or Applied Physics
			Geology and/or Earth Science (Physical Geology, Hist. Geology, Plate Tectonics, Weather, Meteorology)
			Teaching Methods in Science
			Safety Certificate

Content Specific Requirements for an Endorsement in **Physics**			
UPS: 136			Praxis Exam: Physics Content Knowledge (0265)
			General Physics - **Must be sequential**
			Modern Physics
			Math through introductory Calculus
			Teaching Methods in Science
			Safety Certificate

The Middle Level Science endorsement is only available to educators who currenlty hold an endorsement in one of the above content specific areas.

Requirements for an Endorsement in **Middle Level Science**		
UPS : 166	☐	Praxis Exam: General Science Content Knowledge (0435)
	☐	Completion of a Content Specific Science Endorsement
		Please indicate which endorsement you currently have :
		_____ Biological Sciences endorsement
		_____ Chemistry endorsement
		_____ Earth Science endorsement
		_____ Environmental Science endorsement
		_____ Physical Science endorsement
		_____ Physics endorsement
	☐	Teaching Methods in Science
	☐	Safety Certificate

Requirements for Science Core Teaching Assignments

7th and 8th Grade Science

The following boxes outline the core courses taught for junior high credit and the necessary requirements of that assignment.

Core Teaching Assignment	Teaching Requirements
Grade 7	Middle Level Science Endorsement
Grade 8	Middle Level Science Endorsement

High School Science

The following boxes outline the core courses taught for high school credit and the necessary requirements of that assignment.

Core Teaching Assignment	Teaching Requirement
Earth Science	Earth Science Endorsement OR Environmental Science Endorsement
Biology	Biological Science Endorsement
Chemistry	Chemistry Endorsement OR Physical Science Endorsement
Physics	Physics Endorsement OR Physical Science Endorsement
AP Biology	Biological Science Endorsement
AP Chemistry	Chemistry Endorsement
AP Physics	Physics Endorsement
AP Environmental Science	Environmental Science Endorsement