Application for the Utah State Office of Education

Secondary Science Endorsement

This endorsement is attached to an Educator License with a secondary area of concentration. Candidates with an Educator License who complete the requirements will receive an endorsement allowing them to teach secondary science courses.

Name: _____ Cactus ID: _____

Science Endorsement(s) to be considered: _____

Home Address: _____

Home Phone: _____ Work Phone: _____

E-mail Address: _____

District: _____ School: _____

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

☐ **FOR ENDORSEMENT $25.00** (must have all requirements complete when application submitted)

☐ **FOR STATE APPROVED ENDORSEMENT PLAN (SAEP) $35.00** (must have current license, be currently teaching in the endorsement area and have 9 semester credits of content coursework toward requested endorsement)

☐ **FOR ARL OR OUT OF STATE LICENSURE APPLICATION—NO ADDITIONAL FEE NECESSARY**

Date Submitted: _____ Date Received: _____

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. The 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 a transcript.

Submitting the Application

1. Print and complete this Endorsement Application.
2. Include the processing fee for each application. **($25.00 for an endorsement and $35.00 for a SAEP)**
   - For the SAEP application, the fee should be paid by the district or charter school.
3. Attach original transcript(s) and/or CACTUS printouts **with the relevant courses highlighted.**
   - Internet transcripts are **not** acceptable.
4. Send the (1) completed application, (2) highlighted original transcripts, and (3) 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 the science education specialist:
Ricky Scott | richard.scott@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

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

Locate the correct endorsement box in the following pages, and use an original copy of your transcripts to fill out the corresponding information. Once you've completed the endorsement box, highlight the courses on your transcript. Make sure to include the highlighted transcripts with your endorsement application when you mail it to the USOE.

Other Requirements

- Each endorsement requires a **Praxis Exam**. Your praxis score must be at or above the Utah Passing Score (**UPS**) to qualify.
- In each class listed, you must have received a **C or better** for the course to count toward your endorsement. Any classes with a C– or lower will **not** count toward your endorsement.

The following tables outline the *minimum* requirements for each content specific endorsement:

Content Specific Requirements for an Endorsement in **Biological Sciences**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**BIOL**	**210**	**B-**	**2013**	**University of Utah**
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					
Other Requirements	**Date Accomplished**				
Praxis Exam: Biology: Content Knowledge (0235/5235) - *UPS 149*					
Safety Certificate					

Content Specific Requirements for an Endorsement in **Chemistry**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**CHEM**	**1225**	**A-**	**2013**	**Utah Valley University**
Principles of Inorganic Chemistry					
Principles of Inorganic Chemistry II					
Organic Chemistry					
Organic Chemistry II					
One other course beyond principles and Organic Chemistry (Biochemistry, Physical Chemistry, etc.)					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: Chemistry: Content Knowledge (0245/5245) - *UPS 151*					
Safety Certificate					

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Content Specific Requirements for an Endorsement in **Earth Science**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**GEO**	**6620**	**C**	**2013**	**Utah State University**
Geology (Physical Geology, Hist. Geology, Plate Tectonics, etc.)					
Geology II (Physical Geology, Hist. Geology, Plate Tectonics, etc.)					
General Physics I (**Must be sequential**)					
General Physics II (**Must be sequential**)					
Principles of Inorganic Chemistry I **(Must be sequential**)					
Principles of Inorganic Chemistry II **(Must be sequential)**					
Astronomy					
Ecology					
Weather/Meteorology					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: Earth and Space Sciences Content Knowledge (0571/5571) - *UPS 153*					
Safety Certificate					

Content Specific Requirements for an Endorsement in **Environmental Science**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**BIOL**	**3410**	**A**	**2012**	**Southern Utah University**
General Biology **OR** General Zoology and General Botany					
Zoology					
Botany					
Ecology I					
Ecology II					
Principles of Inorganic Chemistry I (**Must be sequential**)					
Principles of Inorganic Chemistry II (**Must be sequential**)					
Evolutionary Biology					
Earth Systems Science (Oceanography, Meteorology, Climatology, etc.)					
Geology					
Statistics					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: Biology Content Knowledge (0235/5235) - *UPS 149*					
Safety Certificate					

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Content Specific Requirements for an Endorsement in **Physical Science**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**PHYS**	**2220**	**B+**	**2012**	**Dixie State University**
Principles of Inorganic Chemistry I **(Must be Sequential)**					
Principles of Inorganic Chemistry II **(Must be Sequential)**					
Advanced or Applied Chemistry					
General Physics **(Must be Sequential)**					
General Physics II **(Must be Sequential)**					
Advanced or Applied Physics					
Geology and/or Earth Science I (Physical Geology, Hist. Geology, Weather, etc.)					
Geology and/or Earth Science II (Physical Geology, Hist. Geology, Weather, etc.)					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: Chemistry Content Knowledge (0245/5245) - *UPS 151* **OR*** Physics Content Knowledge (0265/5265) - UPS 136 ***For NCLB Highly Qualified Status BOTH Exams must be taken**					
Safety Certificate					

Content Specific Requirements for an Endorsement in **Physics**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**PHYS**	**105**	**B+**	**2012**	**Brigham Young University**
General Physics I (**Must be Sequential**)					
General Physics II (**Must be Sequential**)					
Advanced and/or Modern Physics I (Post-Newtonian Physics: Quantum Mechanics, Waves and Optics, etc.)					
Advanced and/or Modern Physics II (Post-Newtonian Physics: Quantum Mechanics, Waves and Optics, etc.)					
Math through Introductory Calculus					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: Physics Content Knowledge (0265/5265) - UPS 136					
Safety Certificate					

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To fulfill the requirements for a Middle Level Science endorsement there are two pathways applicants can apply for:

Content Specific Requirements for an Endorsement in **Middle Level Science (Pathway 1)** **Current Utah Licensed Teachers, ARL/Initial Licensure, and Out of State License Applicants are eligible for Pathway 1**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**TL**	**5370**	**B+**	**2012**	**Weber State University**
Teaching Methods in Science (Met through demonstration of previous science endorsement. Does not require transcript.)					
Other Requirements	**Date Accomplished**				
Praxis Exam: General Science Content Knowledge (0435/5435) - *UPS 166*					
Safety Certificate					
Completion of a Content Specific Science Endorsement	**Please mark the endorsement(s) you currently have:**				
Biological Sciences Endorsement					
Chemistry Endorsement					
Earth Science Endorsement					
Environmental Science Endorsement					
Physical Science Endorsement					
Physics Endorsement					

Content Specific Requirements for an Endorsement in **Middle Level Science (Pathway 2)** **Current Utah Licensed Teachers and Out of State License Applicants are eligible for Pathway 2 (ARL/Initial Licensure are NOT eligible)**					
Course Information (Minimum Grade of C Required)	**Prefix**	**Course #**	**Grade**	**Year**	**Institution**
Example	**TL**	**5370**	**B+**	**2012**	**University of Utah**
General Biology OR General Zoology **and** General Botany					
Ecology (Ecology, Environmental Studies, etc.)					
Heredity/Genetics					
General Chemistry **(Must be Sequential)**					
General Chemistry II **(Must be Sequential)**					
General Physics					
Astronomy					
Earth Systems Science (Oceanography, Earth Systems, Climatology, etc.)					
Geology (Historical, Structural, Physical Geology, Rocks & Minerals, etc.)					
Teaching Methods in Science					
Other Requirements	**Date Accomplished**				
Praxis Exam: General Science Content Knowledge (0435/5435) - *UPS 166*					
Safety Certificate					

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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
7th Grade	Middle Level Science Endorsement
8th Grade	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 Requirements
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

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