



Science (Grades 7-12)

Added Endorsement/Alternative License Content Evaluation Worksheet

Applicant

Legal name:

Date:

Requirements

Professional competency in this content area must be demonstrated by one of the following pathways:

- A. Documented evidence from an accepted, regionally accredited college or university indicating completion of 24 semester hours of college level coursework that meet the minimum requirement in each of the areas listed below. This may include a maximum of six semester hours of documented professional development or work experience.
OR
- B. Hold a degree in Science, Biology, Chemistry, Physics, Geology or Astronomy.
OR
- C. A passing score on one (1) of the following Science content exams: (Check one option below and upload a copy of your official score report)
 - A passing score of 152 or higher on Praxis #5435
 - A passing score of 220 or higher on the PLACE #05 (the last administration for all PLACE exams will be May 6, 2017 and will be accepted for 5 years until May 6, 2022)

Content coursework requirements	Coursework	Semester Hours	FOR OFFICE USE ONLY
Physical Science: Includes laboratory experience (6 semester hours) 3 hours must include courses within physics (e.g., general, experimental, mechanics, electricity, magnetism, quantum and atomic, sound, or optics) 3 hours must include courses within chemistry (e.g., general, organic, biochemistry, inorganic, analytical, or physical)			
Biological Science: Includes laboratory experience (6 semester hours) e.g., general, environmental, biotechnology, genetics, evolution, anatomy & physiology, ecology, molecular biology, or matter & energy in living systems			
Earth and Space Science: Includes laboratory experience (6 semester hours) e.g., historical and physical geology, astronomy, environmental science, meteorology, oceanography, geomorphology, stratigraphy, mineralogy, or earth systems			
Mathematics (3 semester hours) e.g., algebra, calculus, applied mathematics, statistics			
Science Methods (3 semester hours) Includes experiences with laboratory safety e.g., science methods, pedagogy for science teachers, scientific experimentation, interconnected nature of science, inquiry-based instruction, conceptual science, laboratory safety and legal requirements OR 3 additional semester hours in one of the above content requirements			
Total semester hours (24 semester hours required)			