

Standard 7: Secondary Content in the Sciences

KEY STANDARD — Undergraduate Secondary Programs

Follow these steps to improve your preparation program and your score:

- ❑ **1st:** For general science certification routes, which allow instruction in all of the sciences (biology, chemistry, earth science and physics), require teacher candidates to complete 15 semester credit hours (SCHs) of content coursework in each of two content areas or complete a total of 50 SCHs across all of the sciences.
- ❑ **2nd:** For single-subject certification routes, require 30 SCHs of content coursework in the area of certification.

The MOST COMMON REASON programs do not meet the Secondary Content in the Sciences Standard

Single-subject majors do not provide the breadth of content needed for a general science certification. In states where General Science certification is the only option, some programs do not offer specific multiple-subject majors that ensure teacher candidates are fully prepared for their possible teaching assignments. Instead, the IHE allows the teacher candidate to complete any major covered under the certification (i.e. major in earth science to teach all of the sciences instead of majoring in a specifically designed general sciences route), which fails to provide exposure to all or even most subjects they are likely to teach.

SOLUTION

Require teacher candidates to take at least 15 SCHs of coursework in each of two core subjects covered under the relevant certification.

How many programs offer a general science certification that includes more than 50 SCH of coursework across the sciences?

Find out in fall 2016

Leaderboard

A few programs that meet this standard:

Coming fall 2016

Follow the links below to learn more

Exemplary Programs & Findings

COMING FALL 2016

Methodology & Rationale

COMING SOON

Resources

nctq.org/teacherPrep/review2014/resources/index.jsp