

Standard Mathematics and Science Certificates by Certification Field and Grade Level 2011-2013

This table shows the number and percentage of initial, standard Mathematics and Science teaching certificates broken down by certification field and grade level.

Definitions. An initial teaching certificate is a standard or lifetime teaching certificate issued in a particular fiscal year to a teacher who was not issued a standard or lifetime teaching certificate in any previous fiscal year. A standard certificate is a certificate offered since 1998-99 that is renewed every five years. A lifetime certificate is a certificate offered before 1998-99 that did not require renewal.

Results for Mathematics

- The most frequently issued certificate was Mathematics 8-12, followed by Mathematics 4-8.
- Numbers of the three Mathematics certificates declined considerably in fiscal year 2011-12.
- Numbers increased somewhat in fiscal year 2012-13.

Results for Science

- The most frequently issued certificate was the Science Composite 8-12, followed by the Science 4-8.
- A large majority of certificates were Science Composite 8-12, Science 4-8, and Life Science 8-12.
- Numbers of nearly all Science certificates declined in fiscal year 2011-12.
- In fiscal year 2012-13, numbers declined for some certificates but increased for others, resulting in an overall decline.

Certification Field	Grade Level	Fiscal Year 2010-11		Fiscal Year 2011-12		Fiscal Year 2012-13	
		Number	Percent	Number	Percent	Number	Percent
Mathematics							
Mathematics	4-8	991	39.4	765	40.2	786	38.2
Mathematics	8-12	1,276	50.8	939	49.4	1,032	50.2
Mathematics/Science	4-8	247	9.8	197	10.4	239	11.6
All Fields	All	2,514	100.0	1,901	100.0	2,057	100.0
Science							
Chemistry	8-12	82	4.1	60	4.1	74	5.2
Life Science	8-12	419	21.1	330	22.3	338	23.9
Physical Science	8-12	47	2.4	38	2.6	28	2.0
Physical Science/Math/Engineering	8-12	8	0.4	8	0.5	13	0.9
Physics/Mathematics	8-12	42	2.1	35	2.4	30	2.1
Science	4-8	556	28.0	426	28.8	364	25.8
Science - Composite	8-12	835	42.0	580	39.3	566	40.1
All Fields	All	1,989	100.0	1,477	100.0	1,413	100.0

Summary of methodology. Six tables were extracted containing identification numbers, certification areas, certification fields, and grade levels of initial, standard teaching certificates in Mathematics and Science for fiscal years 2010-11 through 2012-13. For each fiscal year, certification field, and grade level, the number of certificates was obtained. Then, six additional tables were extracted containing only identification numbers and certification areas of the same certificates for the same fiscal years. For each year and certification area, a total number of certificates was obtained. The number for each certification field and grade level was taken as a percentage of the Mathematics or Science total. Finally, all results were combined into one table.