

## Standard Mathematics and Science Certificates by Certification Field and Grade Level 2013-2015

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 academic year to a teacher who was not issued a standard or lifetime teaching certificate in any previous academic 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 standard Mathematics 7-12 certificate was issued for the first time in academic year 2013-14.
- As numbers increased for the new certificate, numbers for the Mathematics 8-12 certificate sharply declined.
- In academic year 2014-15, the most frequently issued certificate was Mathematics 7-12, followed by Mathematics 4-8.
- Overall numbers declined somewhat in academic year 2014-15.

### Results for Science

- The standard Chemistry 7-12, Life Science 7-12, Physical Science 6-12, and Science Composite 7-12 were issued for the first time in academic year 2013-14.
- The Life Science and Science Composite fields showed a net increase when 8-12 and 7-12 certificates were considered.
- Of the remaining fields, Physical Science/Math/Engineering and Physics/Mathematics remained stable; Chemistry showed a small decline.
- Science Composite and Life Science certificates remained a large majority in academic year 2013-14.

Certification Field	Grade Level	Results for 2012-13		Results for 2013-14		Results for 2014-15	
		Number	Percent	Number	Percent	Number	Percent
<b>Mathematics</b>							
Mathematics	4-8	786	38.2	835	39.5	683	34.8
Mathematics	7-12			181	8.6	762	38.8
Mathematics	8-12	1,032	50.2	860	40.7	317	16.1
Mathematics/Science	4-8	239	11.6	237	11.2	201	10.2
<b>All Fields</b>	<b>All</b>	<b>2,057</b>	<b>100.0</b>	<b>2,113</b>	<b>100.0</b>	<b>1,963</b>	<b>100.0</b>
<b>Science</b>							
Chemistry	7-12			11	0.7	39	2.5
Chemistry	8-12	74	5.2	55	3.7	21	1.4
Life Science	7-12			71	4.7	282	18.3
Life Science	8-12	338	23.9	301	20.0	101	6.5
Physical Science	6-12			5	0.3	18	1.2
Physical Science	8-12	28	2.0	36	2.4	15	1.0
Physical Science/Math/Engineering	6-12					2	0.1
Physical Science/Math/Engineering	8-12	13	0.9	8	0.5	12	0.8
Physics/Mathematics	7-12					9	0.6
Physics/Mathematics	8-12	30	2.1	32	2.1	23	1.5
Science - Composite	4-8	364	25.8	398	26.5	334	21.6
Science - Composite	7-12			70	4.7	494	32.0
Science - Composite	8-12	566	40.1	517	34.4	194	12.6
<b>All Fields</b>	<b>All</b>	<b>1,413</b>	<b>100.0</b>	<b>1,504</b>	<b>100.0</b>	<b>1,544</b>	<b>100.0</b>

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*Summary of methodology.* Six tables were extracted containing identification numbers, certification areas, certification fields, and grade levels of initial, standard teaching certificates in the Mathematics and Science areas for academic years 2012-13 through 2014-15. For each academic 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 academic 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.