

## Standard Mathematics and Science Certificates by Certification Field and Grade Level 2016-2018

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, first issued in academic year 2013-14, had largely replaced the Mathematics 8-12 by academic year 2015-16.
- In all academic years shown, the most frequently issued certificate was Mathematics 7-12, followed by Mathematics 4-8.
- Overall numbers were consistent over the academic years shown.

### Results for Science

- The standard Chemistry 7-12, Life Science 7-12, Physical Science 6-12, and Science Composite 7-12, first issued in academic year 2013-14, had largely replaced the corresponding 8-12 certificates by the following academic year.
- The Chemistry 8-12 was no longer offered in any academic year shown.
- When both the 8-12 certificate and the 6-12 or 7-12 certificate were considered:
  - The numbers for most certificates increased in academic year 2016-17, before declining.
  - Chemistry 7-12 continued to increase in academic year 2017-18.
- Science Composite and Life Science certificates remained a large majority over the academic years shown.

Certification Field	Grade Level	Results for 2015-16		Results for 2016-17		Results for 2017-18	
		Number	Percent	Number	Percent	Number	Percent
<b>Mathematics</b>							
Mathematics	4-8	726	38.1	740	38.0	753	40.0
Mathematics	7-12	1,000	52.5	1,030	52.9	952	50.6
Mathematics	8-12	7	0.4	0	0.0	0	0.0
Mathematics/Science	4-8	171	9.0	177	9.1	177	9.4
<b>All Fields</b>	<b>All</b>	<b>1,904</b>	<b>100.0</b>	<b>1,947</b>	<b>100.0</b>	<b>1,882</b>	<b>100.0</b>
<b>Science</b>							
Chemistry	7-12	56	3.6	58	3.4	75	4.8
Life Science	7-12	360	23.2	374	22.1	365	23.3
Life Science	8-12	2	0.1	0	0.0	0	0.0
Physical Science	6-12	26	1.7	30	1.8	27	1.7
Physical Science	8-12	1	0.1	0	0.0	0	0.0
Physical Science/Math/Engineering	6-12	19	1.2	28	1.7	24	1.5
Physical Science/Math/Engineering	8-12	3	0.2	1	0.1	0	0.0
Physics/Mathematics	7-12	22	1.4	41	2.4	27	1.7
Physics/Mathematics	8-12	7	0.5	1	0.1	0	0.0
Science - Composite	4-8	353	22.7	432	25.6	395	25.2
Science - Composite	7-12	702	45.1	725	42.9	653	41.7
Science - Composite	8-12	4	0.3	0	0.0	0	0.0
<b>All Fields</b>	<b>All</b>	<b>1,555</b>	<b>100.0</b>	<b>1,690</b>	<b>100.0</b>	<b>1,566</b>	<b>100.0</b>

## Standard Mathematics and Science Certificates by Certification Field and Grade Level 2016-2018

*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 2015-16 through 2017-18. 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.