

## Standard Mathematics and Science Certificates by Certification Field and Grade Level 2010-2012

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.
- The number of Mathematics/Science certificates increased in fiscal year 2010-11.
- Numbers of all three Mathematics certificates declined considerably in fiscal year 2011-12.
- Overall, Mathematics certificates declined over the fiscal years shown, particularly in fiscal year 2011-12.

### 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.
- Overall, Science certificates remained the same in fiscal year 2010-11 and declined in fiscal year 2011-12.

Certification Field	Grade Level	Fiscal Year 2009-10		Fiscal Year 2010-11		Fiscal Year 2011-12	
		Number	Percent	Number	Percent	Number	Percent
Mathematics							
Mathematics	4-8	1,128	43.4	991	39.4	766	40.3
Mathematics	8-12	1,264	48.7	1,276	50.8	939	49.4
Mathematics/Science	4-8	206	7.9	247	9.8	196	10.3
All Fields	All	2,598	100.0	2,514	100.0	1,901	100.0
Science							
Chemistry	8-12	82	4.1	82	4.1	60	4.1
Life Science	8-12	419	21.1	419	21.1	330	22.3
Physical Science	8-12	65	3.3	47	2.4	38	2.6
Physical Science/Math/Engineering	8-12	16	0.8	8	0.4	8	0.5
Physics/Mathematics	8-12	45	2.3	42	2.1	35	2.4
Science	4-8	626	31.5	556	28.0	426	28.8
Science - Composite	8-12	736	37.0	835	42.0	580	39.3
All Fields	All	1,989	100.0	1,989	100.0	1,477	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 2009-10 through 2011-12. For each fiscal year, certification field, and grade level, the number of certificates was obtained. Then, six additional tables were extracted containing 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.