

Standard Mathematics and Science Certificates by Certification Field and Grade Level 2012-2014

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.
- Correspondingly, the Mathematics 8-12 certificate declined markedly during that academic year.
- The most frequently issued certificate continued to be Mathematics 8-12, followed closely by Mathematics 4-8.
- Numbers increased somewhat across 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 were issued for the first time in academic year 2013-14.
- The corresponding 8-12 certificates showed only moderate declines or, for Physical Science 8-12, an increase. The result was a net increase for each of the four certificate fields.
- The remaining certificates, Physical Science/Math/Engineering 8-12 and Physics/Mathematics, remained stable.
- The most frequently issued certificate continued to be Science Composite 8-12, followed by Science Composite 4-8 and Life Science 8-12.
- These three certificates remained a large majority in academic year 2013-14.

Certification Field	Grade	Results for 2011-12		Results for 2012-13		Results for 2013-14	
	Level	Number	Percent	Number	Percent	Number	Percent
Mathematics							
Mathematics	4-8	765	40.2	786	38.2	836	39.5
Mathematics	7-12	0	0.0	0	0.0	181	8.6
Mathematics	8-12	939	49.4	1,032	50.2	860	40.7
Mathematics/Science	4-8	197	10.4	239	11.6	237	11.2
All Fields	All	1,901	100.0	2,057	100.0	2,114	100.0
Science							
Chemistry	7-12	0	0.0	0	0.0	11	0.7
Chemistry	8-12	60	4.1	74	5.2	55	3.7
Life Science	7-12	0	0.0	0	0.0	71	4.7
Life Science	8-12	330	22.3	338	23.9	301	20.0
Physical Science	6-12	0	0.0	0	0.0	5	0.3
Physical Science	8-12	38	2.6	28	2.0	36	2.4
Physical Science/Math/Engineering	8-12	8	0.5	13	0.9	8	0.5
Physics/Mathematics	8-12	35	2.4	30	2.1	32	2.1
Science - Composite	4-8	426	28.8	364	25.8	397	26.4
Science - Composite	7-12	0	0.0	0	0.0	70	4.7
Science - Composite	8-12	580	39.3	566	40.1	517	34.4
All Fields	All	1,477	100.0	1,413	100.0	1,503	100.0

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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 area for academic years 2011-12 through 2013-14. 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.