

Valid Credentials: General Rules

Introduction

This document is designed to assist districts in implementing the requirements and in ensuring that PreK-12 educators are assigned to classes they are validly credentialed to teach. It identifies the credentials required for teaching specific courses. Teachers are to hold one of the credentials identified in this document for each course they teach.

Elementary Credentials

Courses in the elementary grade range, other than PE, do not appear in this document, because a general rule for elementary credentials applies to all such courses. The general rule for elementary credentials, including Kindergarten-Primary (KP), Kindergarten-Elementary (KE), Elementary (EL), Early Childhood (EC), Primary (PF), and endorsements extending the grade range of EC credentials, allows the teachers who hold these credentials to teach any course within the relevant grade range. An exception to this rule is for those initially hired on or after July 1, 2013, to teach physical education. These teachers must be licensed in PE and are included in this document.

Community School Courses

Courses that are taught at a community school, with the exception of special education courses, can be taught by an educator who holds any valid teaching credential including substitute teaching licenses.

Special Education

For courses with student populations SE or SP, any teacher holding an education of the handicapped certificate (EH) or an intervention specialist license (PI, IL or ES) can teach students—at the grade levels for which the teacher is certificated or licensed—with any disability.*

*Exceptions:

1. Any SE or SP course that is comprised of all deaf or hard of hearing students must be taught by someone certificated or licensed to teach deaf or hard of hearing students. This includes the following:
 - EH 196010, 196015, 196070 (grades K-12)
 - IL 196116 (grades P-12)
2. Any SE or SP course that is comprised of all visually impaired students must be taught by someone certificated or licensed to teach visually impaired students. This includes the following:
 - EH 196110 (grades K-12)
 - IL 196109 (grades P-12)

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
110010 - Mathematics 1	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
110020 - Mathematics 2	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110030 - Mathematics 3	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110040 - Mathematics 4 (Pre-calculus)	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110060 - Advanced Mathematics 7	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
110065 - Advanced Mathematics 8	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110099 - Advanced Mathematics (Pre-Calculus)	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
	110150 - Mathematics 4-6	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics	
HS - High School (7-12)		110000 - Mathematics	180200 - Middle Grades	4 - 12
MC - Middle Childhood (4-9)		110100 - Mathematics (4-9)		4 - 9
MC - Middle Childhood (4-9)		110155 - Mathematics Generalist (4-6)		4 - 6
MS - Middle School (4-9)		110155 - Mathematics Generalist (4-6)		4 - 6
MS - Middle School (4-9)		110100 - Mathematics (4-9)		4 - 9
TM - STEM (6-12)		110094 - Integrated Mathematics		6 - 12
110175 - Mathematics 7-8	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
110190 - Transition to High School Mathematics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12	

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
110301 - Algebra 1	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110302 - Algebra 2	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110480 - Applied Algebra or Applied Mathematics 1	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110490 - Applied Geometry or Applied Mathematics 2	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
110500 - Applied Algebra II or Applied Mathematics 3	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
110600 - Calculus	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111200 - Geometry	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111300 - Discrete Mathematics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111350 - Modeling and Quantitative Reasoning	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
	111500 - Probability and Statistics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics	
AD - Adolescence to Young Adult (7-12)		110000 - Mathematics		7 - 12
AD - Adolescence to Young Adult (Grades 7-12)		110094 - Integrated Mathematics		7 - 12
AD - Adolescence to Young Adult (Grades 7-12)		110000 - Mathematics		7 - 12
DS (K-12) - Designated Subject (Grades K-12)		110094 - Integrated Mathematics		KG - 12
HS - High School (7-12)		110000 - Mathematics	180200 - Middle Grades	4 - 12
HS - High School (7-12)		110000 - Mathematics		7 - 12
TM - STEM (6-12)		110094 - Integrated Mathematics		6 - 12
111600 - Trigonometry	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
111850 - Transition to College Mathematics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111950 - Intervention Mathematics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12	
111960 - Mathematics Response to Intervention Support 1	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MC - Middle Childhood (4-9)	110100 - Mathematics (4-9)		4 - 9
	MS - Middle School (4-9)	110100 - Mathematics (4-9)		4 - 9
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111970 - Mathematics Response to Intervention Support 2	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
111980 - Mathematics Response to Intervention Support 3	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
119550 - Statistics	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
119930 - Calculus AB	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
119960 - Calculus BC	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MA - Multi-Age PK-12	110094 - Integrated Mathematics		KG - 12
TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12	

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
119980 - Data Science Foundations	AA - Any Standard Certificate/License	111750 - Computer Science		KG - 12
	AA - Any Standard Certificate/License	111700 - Computer Science		KG - 12
	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	030000 - Business Education		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	030000 - Business Education		7 - 12
	CT - Career Technical (4-12)	140200 - Business Information Systems		4 - 12
	CT - Career Technical (4-12)	140100 - Accounting		4 - 12
	CT - Career Technical (4-12)	040800 - Marketing		4 - 12
	CT - Career Technical (4-12)	140800 - Business Administration & Management		4 - 12
	CT - Career Technical (4-12)	140550 - Integrated Business		4 - 12
	CT - Career Technical (4-12)	140370 - Medical Office Management		4 - 12
	CT - Career Technical (4-12)	140240 - Interactive Media		4 - 12
	CT - Career Technical (4-12)	140230 - Programming/Software Development		4 - 12
	CW - Career Technical Workforce Development	140800 - Business Administration & Management		4 - 12
	CW - Career Technical Workforce Development	140370 - Medical Office Management		4 - 12
	CW - Career Technical Workforce Development	140240 - Interactive Media		4 - 12
	CW - Career Technical Workforce Development	140230 - Programming/Software Development		4 - 12
	CW - Career Technical Workforce Development	140200 - Business Information Systems		4 - 12
	CW - Career Technical Workforce Development	140100 - Accounting		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	030000 - Business Education		KG - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	HS - High School (7-12)	031399 - Intensive Office Education		7 - 12
	HS - High School (7-12)	030398 - Cooperative Office Education		7 - 12
	HS - High School (7-12)	030175 - All Bus W/O Shrt 7-		7 - 12
	HS - High School (7-12)	030150 - All Business (7-12)		7 - 12
	HS - High School (7-12)	030050 - Business Education without Shorthand		7 - 12
	HS - High School (7-12)	030000 - Business Education		7 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
	VO - Vocational Education	149002 - Vocational BOE w/o Shorthand		
	VO - Vocational Education	149000 - Vocational BOE Comprehensive		
	VO - Vocational Education	140800 - Business Administration & Management		
	VO - Vocational Education	140550 - Integrated Business		
	VO - Vocational Education	140500 - Mat Sup/Trn/St/Rec		
	VO - Vocational Education	140370 - Medical Office Management		
	VO - Vocational Education	140240 - Interactive Media		
	VO - Vocational Education	140230 - Programming/Software Development		
VO - Vocational Education	140200 - Business Information Systems			
VO - Vocational Education	140150 - Data Processing/Programming			
VO - Vocational Education	140100 - Accounting			
VO - Vocational Education	049950 - General Marketing			
VO - Vocational Education	040800 - Marketing			

Mathematics

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
119999 - Other Mathematics Course	AD - Adolescence to Young Adult (7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	110000 - Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	110000 - Mathematics		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	110094 - Integrated Mathematics		KG - 12
	HS - High School (7-12)	110000 - Mathematics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	MA - Multi-Age PK-12	110094 - Integrated Mathematics		KG - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12