

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)

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
130301 - Chemistry	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	
130302 - Physics	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
131050 - Human Anatomy and Physiology	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130200 - Biological Science		9 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		9 - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
132110 - Science (K-3)	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
132120 - Science (4-6)	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MC - Middle Childhood (4-9)	130155 - Science Generalist (4-6)		4 - 6
	MC - Middle Childhood (4-9)	130102 - Science (4-9)		4 - 9
	MS - Middle School (4-9)	130102 - Science (4-9)		4 - 9
	MS - Middle School (4-9)	130155 - Science Generalist (4-6)		4 - 6
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132130 - Science (7-8)	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	130100 - General Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	130100 - General Science		7 - 12
	CH - Comprehensive High School (7-12)	130175 - All Sciences 7-8		7 - 8
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130100 - General Science		7 - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12	
MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12	
MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132130 - Science (7-8)	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MC - Middle Childhood (4-9)	130102 - Science (4-9)		4 - 9
	MS - Middle School (4-9)	130102 - Science (4-9)		4 - 9
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132220 - Physical Science	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	130100 - General Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	130100 - General Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130175 - All Sciences 7-8		7 - 8
	CH - Comprehensive High School (7-12)	130150 - General Science (9-12)		9 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130100 - General Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	MC - Middle Childhood (4-9)	130102 - Science (4-9)		4 - 9
	MS - Middle School (4-9)	130102 - Science (4-9)		4 - 9
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132230 - Biology	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
132325 - Advanced Physics	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132326 - Advanced Chemistry	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	
132330 - Advanced Biology	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
	HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132340 - Advanced Earth and Space Sciences	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132350 - Environmental Science	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		7 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132900 - Intervention Science	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	130100 - General Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	130100 - General Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130150 - General Science (9-12)		9 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130100 - General Science		7 - 12	
HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130000 - Comprehensive Science		7 - 12	
MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
132900 - Intervention Science	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
134250 - Physical Geology	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
139940 - Physics C: Electricity & Magnetism	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139950 - Physics C: Mechanics	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12	
TM - STEM (6-12)	132010 - Integrated Science		6 - 12	
139960 - Physics 1: Algebra-Based	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139970 - Physics 2: Algebra-Based	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139997 - Other Science	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	130100 - General Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	130100 - General Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130150 - General Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130000 - Comprehensive Science		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130300 - Physical Science		7 - 12
HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130200 - Biological Science		7 - 12	
HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130100 - General Science		7 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139997 - Other Science	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139998 - Other Advanced Science	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (7-12)	130100 - General Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132160 - Physical Science/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132150 - Physical Science: Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132046 - Earth Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132045 - Earth Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132040 - Earth Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132036 - Life Sci/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132035 - Life Sci/Physics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132034 - Life Sciences/Earth		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132030 - Life Sciences		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132020 - Physical Science/Physics/Chemistry		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	130100 - General Science		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130150 - General Science (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130000 - Comprehensive Science		7 - 12
	DS (K-12) - Designated Subject (Grades K-12)	132160 - Physical Science/Physics		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132150 - Physical Science: Chemistry		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132040 - Earth Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132030 - Life Sciences		KG - 12
	DS (K-12) - Designated Subject (Grades K-12)	132010 - Integrated Science		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130302 - Physics	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130301 - Chemistry	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130300 - Physical Science	180200 - Middle Grades	4 - 12
HS - High School (7-12)	130300 - Physical Science		7 - 12	
HS - High School (7-12)	130200 - Biological Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130200 - Biological Science		7 - 12	
HS - High School (7-12)	130100 - General Science	180200 - Middle Grades	4 - 12	
HS - High School (7-12)	130100 - General Science		7 - 12	

Science

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
139998 - Other Advanced Science	HS - High School (7-12)	130000 - Comprehensive Science	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	MA - Multi-Age PK-12	132160 - Physical Science/Physics		KG - 12
	MA - Multi-Age PK-12	132150 - Physical Science: Chemistry		KG - 12
	MA - Multi-Age PK-12	132040 - Earth Sciences		KG - 12
	MA - Multi-Age PK-12	132030 - Life Sciences		KG - 12
	MA - Multi-Age PK-12	132010 - Integrated Science		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12