

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)

Transportation Systems

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
170350 - Transportation Systems	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology	180200 - Middle Grades	4 - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12	180200 - Middle Grades	4 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	170301 - Auto Collision Repair		
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	160610 - Technology Education		
VO - Vocational Education	170802 - Marine Maintenance			
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170400 - Aviation Occupations			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
170801 - Maritime Occupations	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	VO - Vocational Education	170801 - Maritime Occupations		
177000 - Ground Transportation Maintenance	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	170403 - Ground Operations		
VO - Vocational Education	171200 - Medium/Heavy Truck Technician			
VO - Vocational Education	173100 - Power Equipment Technology			
VO - Vocational Education	170801 - Maritime Occupations			
VO - Vocational Education	170802 - Marine Maintenance			
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	170401 - Aircraft Maintenance			
VO - Vocational Education	170400 - Aviation Occupations			
VO - Vocational Education	170301 - Auto Collision Repair			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177001 - Ground Transportation Engine and Power Train	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	170301 - Auto Collision Repair		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170302 - Automotive Technology		
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			
VO - Vocational Education	170303 - Auto Specialization			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177002 - Ground Transportation Electrical/Electronics	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177004 - Ground Transportation HVAC	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170802 - Marine Maintenance			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177006 - Automotive Engine Performance	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177007 - Truck Diesel Engines	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170303 - Auto Specialization		
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170400 - Aviation Occupations			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177008 - Sports/Recreational Power Systems	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170301 - Auto Collision Repair		
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177009 - Collision Electrical & Mechanical Systems	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177010 - Collision Structural Inspection & Repair	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177011 - Collision Nonstructural Inspection & Repair	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			
VO - Vocational Education	170302 - Automotive Technology			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177012 - Collision Painting & Refinishing	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177013 - Aviation	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)	132160 - Physical Science/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)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		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)	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)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CH - Comprehensive High School (7-12)	130410 - Earth Science (9-12)		7 - 12
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		7 - 12
	CH - Comprehensive High School (7-12)	130312 - Chemistry (9-12)		7 - 12
	CH - Comprehensive High School (7-12)	130302 - Physics		7 - 12
	CH - Comprehensive High School (7-12)	130300 - Physical Science		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	171807 - Engineering Technologies-Design		4 - 12
	CT - Career Technical (4-12)	171801 - Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171802 - Manufacturing Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
CT - Career Technical (4-12)	160610 - Technology Education		4 - 12	
CT - Career Technical (4-12)	130205 - Biological Science (9-12)		4 - 12	
CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12	
CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12	
CW - Career Technical Workforce Development	171815 - Engineering Technologies-PLTW		4 - 12	
CW - Career Technical Workforce Development	171809 - Engineering Technologies-Product/Service		4 - 12	
CW - Career Technical Workforce Development	171808 - Engineering Technologies-Process		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177013 - Aviation	CW - Career Technical Workforce Development	171807 - Engineering Technologies-Design		4 - 12
	CW - Career Technical Workforce Development	171801 - Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	130400 - Earth Sciences		7 - 12
	HS - High School (7-12)	130302 - Physics		7 - 12
	HS - High School (7-12)	130301 - Chemistry		7 - 12
	HS - High School (7-12)	130200 - Biological Science		7 - 12
	HS - High School (7-12)	130000 - Comprehensive Science		7 - 12
	HS - High School (7-12)	110000 - Mathematics		7 - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	160610 - Technology Education		KG - 12
	SP - Special All Grades (K-12)	132010 - Integrated Science		KG - 12
	SP - Special All Grades (K-12)	130302 - Physics		KG - 12
	SP - Special All Grades (K-12)	130301 - Chemistry		KG - 12
	SP - Special All Grades (K-12)	110094 - Integrated Mathematics		KG - 12
	SP - Special All Grades (K-12)	110000 - Mathematics		KG - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	101315 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
	VO - Vocational Education	171815 - Engineering Technologies-PLTW		
	VO - Vocational Education	171801 - Engineering Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
VO - Vocational Education	173100 - Power Equipment Technology			
VO - Vocational Education	170400 - Aviation Occupations			
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

Transportation Systems

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177014 - Aviation Maintenance General	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170302 - Automotive Technology		
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177015 - Aviation Structure and Design	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177016 - Aviation Airframe Systems and Components	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177017 - Aviation Powerplant Theory and Maintenance	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177018 - Aviation Powerplant Systems and Components	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170302 - Automotive Technology		
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177019 - Aviation Meteorology	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177020 - Aviation Airport Management	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170302 - Automotive Technology		
	VO - Vocational Education	170301 - Auto Collision Repair		
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177021 - Aviation Pilot Training	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170302 - Automotive Technology		
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

Transportation Systems

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177022 - Aviation Air Traffic Control	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
VO - Vocational Education	170303 - Auto Specialization			
VO - Vocational Education	170302 - Automotive Technology			
VO - Vocational Education	170301 - Auto Collision Repair			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	010300 - Agricultural Industrial Equipment			

Transportation Systems

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
177023 - Transportation Capstone	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173100 - Power Equipment Technology		4 - 12
	CT - Career Technical (4-12)	171200 - Medium/Heavy Truck Technician		4 - 12
	CT - Career Technical (4-12)	170802 - Marine Maintenance		4 - 12
	CT - Career Technical (4-12)	170801 - Maritime Occupations		4 - 12
	CT - Career Technical (4-12)	170403 - Ground Operations		4 - 12
	CT - Career Technical (4-12)	170401 - Aircraft Maintenance		4 - 12
	CT - Career Technical (4-12)	170400 - Aviation Occupations		4 - 12
	CT - Career Technical (4-12)	170303 - Auto Specialization		4 - 12
	CT - Career Technical (4-12)	170302 - Automotive Technology		4 - 12
	CT - Career Technical (4-12)	170301 - Auto Collision Repair		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	010300 - Agricultural Industrial Equipment		4 - 12
	CW - Career Technical Workforce Development	173100 - Power Equipment Technology		4 - 12
	CW - Career Technical Workforce Development	171200 - Medium/Heavy Truck Technician		4 - 12
	CW - Career Technical Workforce Development	170802 - Marine Maintenance		4 - 12
	CW - Career Technical Workforce Development	170801 - Maritime Occupations		4 - 12
	CW - Career Technical Workforce Development	170403 - Ground Operations		4 - 12
	CW - Career Technical Workforce Development	170401 - Aircraft Maintenance		4 - 12
	CW - Career Technical Workforce Development	170400 - Aviation Occupations		4 - 12
	CW - Career Technical Workforce Development	170303 - Auto Specialization		4 - 12
	CW - Career Technical Workforce Development	170302 - Automotive Technology		4 - 12
	CW - Career Technical Workforce Development	170301 - Auto Collision Repair		4 - 12
	CW - Career Technical Workforce Development	010300 - Agricultural Industrial Equipment		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	102000 - Ind.Arts 7-12		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	SP - Special All Grades (K-12)	101320 - Industrial Technology		KG - 12
	SP - Special All Grades (K-12)	100005 - Indust. Arts K-12		KG - 12
	SP - Special All Grades (K-12)	100000 - Gen Ind Techn (Gen)		KG - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173100 - Power Equipment Technology		
	VO - Vocational Education	171200 - Medium/Heavy Truck Technician		
	VO - Vocational Education	170802 - Marine Maintenance		
	VO - Vocational Education	170801 - Maritime Occupations		
	VO - Vocational Education	170403 - Ground Operations		
	VO - Vocational Education	170401 - Aircraft Maintenance		
	VO - Vocational Education	170400 - Aviation Occupations		
	VO - Vocational Education	170303 - Auto Specialization		
	VO - Vocational Education	170302 - Automotive Technology		
	VO - Vocational Education	170301 - Auto Collision Repair		
	VO - Vocational Education	160610 - Technology Education		
VO - Vocational Education	010300 - Agricultural Industrial Equipment			