

# 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)

Construction Technologies

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178000 - Construction Technology??Core and Sustainable Construction	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)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	DS (K-12) - Designated Subject (Grades K-12)	101315 - Industrial Technology		KG - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		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	172306 - Welding and Cutting		
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171011 - Building & Property Maintenance		
VO - Vocational Education	171504 - Telecommunications			
VO - Vocational Education	171012 - Industrial Maintenance and Repair			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171402 - Power Transmission			
VO - Vocational Education	171100 - Custodial Services			
VO - Vocational Education	171300 - Drafting Occupations			
VO - Vocational Education	171007 - Plumbing and Pipefitting			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178000 - Construction Technology??Core and Sustainable Construction	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	160610 - Technology Education		
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	171002 - Electrical Trades		
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178001 - Carpentry and Masonry Technical Skills	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171005 - Interior Design Applications		
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	090202 - Clothing Fashion and Interiors			
CT - Career Technical (4-12)	171001 - Carpentry		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178002 - Mechanical, Electrical and Plumbing Systems	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	171003 - Heavy Equipment		
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171017 - Building Technology			
CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178003 - Structural Systems	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171001 - Carpentry		
VO - Vocational Education	090202 - Clothing Fashion and Interiors			
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	171004 - Masonry			
CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178004 - Structural Coverings and Finishes	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171002 - Electrical Trades		
VO - Vocational Education	171001 - Carpentry			
VO - Vocational Education	171011 - Building & Property Maintenance			
VO - Vocational Education	090202 - Clothing Fashion and Interiors			
CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178005 - Masonry-Brick and Block	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	090202 - Clothing Fashion and Interiors		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171100 - Custodial Services		
VO - Vocational Education	171017 - Building Technology			
VO - Vocational Education	173601 - Millwork and Cabinet Making			
VO - Vocational Education	171011 - Building & Property Maintenance			
CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12	



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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178006 - Concrete and Residential Masonry	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	090202 - Clothing Fashion and Interiors		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
VO - Vocational Education	171011 - Building & Property Maintenance			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171002 - Electrical Trades			
CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178007 - Construction Electrical Systems	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171001 - Carpentry		
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171004 - Masonry			
CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12	

Construction Technologies

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178008 - Residential Electrical Systems	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171004 - Masonry		
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171001 - Carpentry			
VO - Vocational Education	170100 - Air Conditioning and Heating			
CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12	
178009 - Commercial and Industrial Construction Electrical Systems	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171002 - Electrical Trades		
CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12	
178010 - Pipefitting and Plumbing Systems	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171001 - Carpentry		
CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178011 - Residential and Commercial Plumbing Systems	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
178012 - Heating and Cooling Systems	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
178013 - HVAC Refrigeration	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
178014 - Sheet Metal	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
178016 - Alternative Power Generation Systems	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171402 - Power Transmission		
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
178017 - Powerline/Hi-Voltage Power Transmission	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171002 - Electrical Trades		
	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178018 - Construction Safety and Crew Leadership	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		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	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
VO - Vocational Education	171005 - Interior Design Applications			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171001 - Carpentry			
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	160610 - Technology Education			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178018 - Construction Safety and Crew Leadership	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178019 - Plan Reading and Estimating	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)	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)	132045 - Earth 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)	110094 - Integrated Mathematics		7 - 12
	AD - Adolescence to Young Adult (Grades 7-12)	132010 - Integrated Science		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)	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
	CH - Comprehensive High School (7-12)	130322 - Physics (9-12)		9 - 12
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	CT - Career Technical (4-12)	010100 - Agriscience		4 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	172307 - Tool and Die Making		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	172000 - Chemical Laboratory Assisting		4 - 12
	CT - Career Technical (4-12)	171815 - Engineering Technologies-PLTW		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	172303 - Manufacturing Occupations		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171802 - Manufacturing Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171801 - Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171650 - Energy Science		4 - 12
	CT - Career Technical (4-12)	171503 - Electronics		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	172302 - Precision Machining		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171807 - Engineering Technologies-Design		4 - 12
CT - Career Technical (4-12)	171809 - Engineering Technologies-Product/Service		4 - 12	
CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12	
CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178019 - Plan Reading and Estimating	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170380 - Manufacturing Operations		4 - 12
	CT - Career Technical (4-12)	170375 - Automation and Robotics		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	079950 - Practical Nurse Coordinator		4 - 12
	CT - Career Technical (4-12)	074850 - Biotechnology		4 - 12
	CT - Career Technical (4-12)	070912 - Pharmacy Assisting		4 - 12
	CT - Career Technical (4-12)	070410 - Fitness Aide		4 - 12
	CT - Career Technical (4-12)	070302 - Practical Nurse		4 - 12
	CT - Career Technical (4-12)	070203 - Medical Lab Assisting		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	172303 - Manufacturing Occupations		4 - 12
	CW - Career Technical Workforce Development	172302 - Precision Machining		4 - 12
	CW - Career Technical Workforce Development	171815 - Engineering Technologies-PLTW		4 - 12
	CW - Career Technical Workforce Development	172000 - Chemical Laboratory Assisting		4 - 12
	CW - Career Technical Workforce Development	171808 - Engineering Technologies-Process		4 - 12
	CW - Career Technical Workforce Development	171807 - Engineering Technologies-Design		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171802 - Manufacturing Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171650 - Energy Science		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171503 - Electronics		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171801 - Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171809 - Engineering Technologies-Product/Service		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	172307 - Tool and Die Making		4 - 12
	CW - Career Technical Workforce Development	170380 - Manufacturing Operations		4 - 12
	CW - Career Technical Workforce Development	170375 - Automation and Robotics		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	079950 - Practical Nurse Coordinator		4 - 12
	CW - Career Technical Workforce Development	074850 - Biotechnology		4 - 12
	CW - Career Technical Workforce Development	070912 - Pharmacy Assisting		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	070302 - Practical Nurse		4 - 12
CW - Career Technical Workforce Development	070410 - Fitness Aide		4 - 12	
CW - Career Technical Workforce Development	070203 - Medical Lab Assisting		4 - 12	
DS (4-12) - Designated Subject (4-12)	132150 - Physical Science: Chemistry		4 - 12	
DS (4-12) - Designated Subject (4-12)	132040 - Earth Sciences		4 - 12	
DS (4-12) - Designated Subject (4-12)	132030 - Life Sciences		4 - 12	
DS (4-12) - Designated Subject (4-12)	132010 - Integrated Science		4 - 12	
DS (4-12) - Designated Subject (4-12)	110094 - Integrated Mathematics		4 - 12	



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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178019 - Plan Reading and Estimating	DS (4-12) - Designated Subject (4-12)	132160 - Physical Science/Physics		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)	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)	130200 - Biological Science		7 - 12
	HS - High School (7-12)	101315 - Industrial Technology		7 - 12
	HS - High School (7-12)	100000 - Gen Ind Techn (Gen)		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
	MA - Multi-Age PK-12	110094 - Integrated Mathematics		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)	110000 - Mathematics		KG - 12
	SP - Special All Grades (K-12)	102000 - Ind.Arts 7-12		KG - 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
	SP - Special All Grades (K-12)	101315 - Industrial Technology		KG - 12
	TM - STEM (6-12)	132010 - Integrated Science		6 - 12
	TM - STEM (6-12)	110094 - Integrated Mathematics		6 - 12
	TM - STEM (6-12)	160610 - Technology Education		6 - 12
	VO - Vocational Education	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	172307 - Tool and Die Making		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	172302 - Precision Machining		
	VO - Vocational Education	172000 - Chemical Laboratory Assisting		
	VO - Vocational Education	171815 - Engineering Technologies-PLTW		
	VO - Vocational Education	171802 - Manufacturing Engineering Technology		
	VO - Vocational Education	171801 - Engineering Technology		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171503 - Electronics		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171001 - Carpentry		
VO - Vocational Education	172303 - Manufacturing Occupations			
VO - Vocational Education	170380 - Manufacturing Operations			
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	160610 - Technology Education			
VO - Vocational Education	079950 - Practical Nurse Coordinator			
VO - Vocational Education	070912 - Pharmacy Assisting			
VO - Vocational Education	170375 - Automation and Robotics			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178019 - Plan Reading and Estimating	VO - Vocational Education	070410 - Fitness Aide		
	VO - Vocational Education	070302 - Practical Nurse		
	VO - Vocational Education	010100 - Agriscience		
	VO - Vocational Education	070203 - Medical Lab Assisting		
	AD - Adolescence to Young Adult (7-12)	132150 - Physical Science: Chemistry		7 - 12

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178020 - Architecture Design - Structural and Mechanical/Electrical/Plumbing	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)	132150 - Physical Science: 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)	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)		9 - 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
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	CT - Career Technical (4-12)	172307 - Tool and Die Making		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	172303 - Manufacturing Occupations		4 - 12
	CT - Career Technical (4-12)	172000 - Chemical Laboratory Assisting		4 - 12
	CT - Career Technical (4-12)	171815 - Engineering Technologies-PLTW		4 - 12
	CT - Career Technical (4-12)	171809 - Engineering Technologies-Product/Service		4 - 12
	CT - Career Technical (4-12)	171807 - Engineering Technologies-Design		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171802 - Manufacturing Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171801 - Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171650 - Energy Science		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171503 - Electronics		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	172302 - Precision Machining		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	170380 - Manufacturing Operations		4 - 12
	CT - Career Technical (4-12)	170375 - Automation and Robotics		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	079950 - Practical Nurse Coordinator		4 - 12

Construction Technologies

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178020 - Architecture Design - Structural and Mechanical/Electrical/Plumbing	CT - Career Technical (4-12)	074850 - Biotechnology		4 - 12
	CT - Career Technical (4-12)	070912 - Pharmacy Assisting		4 - 12
	CT - Career Technical (4-12)	070410 - Fitness Aide		4 - 12
	CT - Career Technical (4-12)	070302 - Practical Nurse		4 - 12
	CT - Career Technical (4-12)	070203 - Medical Lab Assisting		4 - 12
	CT - Career Technical (4-12)	010100 - Agriscience		4 - 12
	CW - Career Technical Workforce Development	172307 - Tool and Die Making		4 - 12
	CW - Career Technical Workforce Development	172303 - Manufacturing Occupations		4 - 12
	CW - Career Technical Workforce Development	172302 - Precision Machining		4 - 12
	CW - Career Technical Workforce Development	172000 - Chemical Laboratory Assisting		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
	CW - Career Technical Workforce Development	171807 - Engineering Technologies-Design		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171802 - Manufacturing Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171801 - Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171650 - Energy Science		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171503 - Electronics		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171815 - Engineering Technologies-PLTW		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	170380 - Manufacturing Operations		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	170375 - Automation and Robotics		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	079950 - Practical Nurse Coordinator		4 - 12
	CW - Career Technical Workforce Development	074850 - Biotechnology		4 - 12
	CW - Career Technical Workforce Development	070912 - Pharmacy Assisting		4 - 12
	CW - Career Technical Workforce Development	070410 - Fitness Aide		4 - 12
	CW - Career Technical Workforce Development	070302 - Practical Nurse		4 - 12
	CW - Career Technical Workforce Development	070203 - Medical Lab Assisting		4 - 12
	DS (4-12) - Designated Subject (4-12)	132160 - Physical Science/Physics		4 - 12
	DS (4-12) - Designated Subject (4-12)	132150 - Physical Science: Chemistry		4 - 12
	DS (4-12) - Designated Subject (4-12)	132040 - Earth Sciences		4 - 12
	DS (4-12) - Designated Subject (4-12)	132030 - Life Sciences		4 - 12
	DS (4-12) - Designated Subject (4-12)	132010 - Integrated Science		4 - 12
	DS (4-12) - Designated Subject (4-12)	110094 - Integrated Mathematics		4 - 12
	DS (4-12) - Designated Subject (4-12)	101315 - Industrial Technology		4 - 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
	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	

Construction Technologies

SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178020 - Architecture Design - Structural and Mechanical/Electrical/Plumbing	MA - Multi-Age PK-12	110094 - Integrated Mathematics		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)	110000 - Mathematics		KG - 12
	SP - Special All Grades (K-12)	102000 - Ind.Arts 7-12		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	172307 - Tool and Die Making		
	VO - Vocational Education	172303 - Manufacturing Occupations		
	VO - Vocational Education	172302 - Precision Machining		
	VO - Vocational Education	172000 - Chemical Laboratory Assisting		
	VO - Vocational Education	171815 - Engineering Technologies-PLTW		
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171802 - Manufacturing Engineering Technology		
	VO - Vocational Education	171801 - Engineering Technology		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171503 - Electronics		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	170380 - Manufacturing Operations		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	170375 - Automation and Robotics		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	160610 - Technology Education		
	VO - Vocational Education	090202 - Clothing Fashion and Interiors		
	VO - Vocational Education	079950 - Practical Nurse Coordinator		
	VO - Vocational Education	070912 - Pharmacy Assisting		
	VO - Vocational Education	070410 - Fitness Aide		
	VO - Vocational Education	070302 - Practical Nurse		
	VO - Vocational Education	070203 - Medical Lab Assisting		
	VO - Vocational Education	010100 - Agriscience		
	AD - Adolescence to Young Adult (7-12)	132160 - Physical Science/Physics		

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178021 - Architecture Design - Site and Foundation Plans	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)	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)	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)	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)		9 - 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
	CH - Comprehensive High School (7-12)	130205 - Biological Science (9-12)		7 - 12
	CT - Career Technical (4-12)	172307 - Tool and Die Making		4 - 12
	CT - Career Technical (4-12)	172303 - Manufacturing Occupations		4 - 12
	CT - Career Technical (4-12)	172302 - Precision Machining		4 - 12
	CT - Career Technical (4-12)	172000 - Chemical Laboratory Assisting		4 - 12
	CT - Career Technical (4-12)	171815 - Engineering Technologies-PLTW		4 - 12
	CT - Career Technical (4-12)	171809 - Engineering Technologies-Product/Service		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)	171802 - Manufacturing Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171801 - Engineering Technology		4 - 12
	CT - Career Technical (4-12)	171650 - Energy Science		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171503 - Electronics		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	170380 - Manufacturing Operations		4 - 12
	CT - Career Technical (4-12)	170375 - Automation and Robotics		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	079950 - Practical Nurse Coordinator		4 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178021 - Architecture Design - Site and Foundation Plans	CT - Career Technical (4-12)	074850 - Biotechnology		4 - 12
	CT - Career Technical (4-12)	070912 - Pharmacy Assisting		4 - 12
	CT - Career Technical (4-12)	070410 - Fitness Aide		4 - 12
	CT - Career Technical (4-12)	070302 - Practical Nurse		4 - 12
	CT - Career Technical (4-12)	070203 - Medical Lab Assisting		4 - 12
	CT - Career Technical (4-12)	010100 - Agriscience		4 - 12
	CW - Career Technical Workforce Development	172307 - Tool and Die Making		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	172303 - Manufacturing Occupations		4 - 12
	CW - Career Technical Workforce Development	172302 - Precision Machining		4 - 12
	CW - Career Technical Workforce Development	172000 - Chemical Laboratory Assisting		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	171807 - Engineering Technologies-Design		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171802 - Manufacturing Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171801 - Engineering Technology		4 - 12
	CW - Career Technical Workforce Development	171650 - Energy Science		4 - 12
	CW - Career Technical Workforce Development	171504 - Telecommunications		4 - 12
	CW - Career Technical Workforce Development	171503 - Electronics		4 - 12
	CW - Career Technical Workforce Development	171808 - Engineering Technologies-Process		4 - 12
	CW - Career Technical Workforce Development	171402 - Power Transmission		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	170380 - Manufacturing Operations		4 - 12
	CW - Career Technical Workforce Development	170375 - Automation and Robotics		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	079950 - Practical Nurse Coordinator		4 - 12
	CW - Career Technical Workforce Development	074850 - Biotechnology		4 - 12
	CW - Career Technical Workforce Development	070912 - Pharmacy Assisting		4 - 12
	CW - Career Technical Workforce Development	070410 - Fitness Aide		4 - 12
	CW - Career Technical Workforce Development	070302 - Practical Nurse		4 - 12
	CW - Career Technical Workforce Development	070203 - Medical Lab Assisting		4 - 12
	DS (4-12) - Designated Subject (4-12)	132160 - Physical Science/Physics		4 - 12
	DS (4-12) - Designated Subject (4-12)	132150 - Physical Science: Chemistry		4 - 12
	DS (4-12) - Designated Subject (4-12)	132040 - Earth Sciences		4 - 12
	DS (4-12) - Designated Subject (4-12)	132030 - Life Sciences		4 - 12
	DS (4-12) - Designated Subject (4-12)	132010 - Integrated Science		4 - 12
	DS (4-12) - Designated Subject (4-12)	110094 - Integrated Mathematics		4 - 12
	DS (4-12) - Designated Subject (4-12)	101315 - Industrial Technology		4 - 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
	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	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178021 - Architecture Design - Site and Foundation Plans	MA - Multi-Age PK-12	110094 - Integrated Mathematics		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)	110000 - Mathematics		KG - 12
	SP - Special All Grades (K-12)	102000 - Ind.Arts 7-12		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	172307 - Tool and Die Making		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	172303 - Manufacturing Occupations		
	VO - Vocational Education	172000 - Chemical Laboratory Assisting		
	VO - Vocational Education	171815 - Engineering Technologies-PLTW		
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171801 - Engineering Technology		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171503 - Electronics		
	VO - Vocational Education	171802 - Manufacturing Engineering Technology		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	172302 - Precision Machining		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	170380 - Manufacturing Operations		
	VO - Vocational Education	170375 - Automation and Robotics		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	160610 - Technology Education		
	VO - Vocational Education	090202 - Clothing Fashion and Interiors		
	VO - Vocational Education	079950 - Practical Nurse Coordinator		
	VO - Vocational Education	070912 - Pharmacy Assisting		
	VO - Vocational Education	070410 - Fitness Aide		
	VO - Vocational Education	070302 - Practical Nurse		
	VO - Vocational Education	070203 - Medical Lab Assisting		
	VO - Vocational Education	010100 - Agriscience		
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12



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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178022 - Construction Management	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
VO - Vocational Education	090202 - Clothing Fashion and Interiors			
CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178023 - Remodeling/Renovation	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	090202 - Clothing Fashion and Interiors		
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
178024 - Facility and Building Maintenance	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171011 - Building & Property Maintenance		
178026 - Heavy Equipment Operations	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171001 - Carpentry		
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178027 - Construction Surveying and Site Logistics	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171001 - Carpentry		
178028 - Interior Design	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	090202 - Clothing Fashion and Interiors		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171300 - Drafting Occupations		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		4 - 12
	CW - Career Technical Workforce Development	090202 - Clothing Fashion and Interiors		4 - 12
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171017 - Building Technology		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
	VO - Vocational Education	171005 - Interior Design Applications		
	VO - Vocational Education	171004 - Masonry		
	VO - Vocational Education	171003 - Heavy Equipment		
	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171001 - Carpentry		
VO - Vocational Education	170100 - Air Conditioning and Heating			
VO - Vocational Education	090202 - Clothing Fashion and Interiors			
AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology			7 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178029 - Construction Capstone	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171300 - Drafting Occupations		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171808 - Engineering Technologies-Process		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		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	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171300 - Drafting Occupations		
	VO - Vocational Education	171808 - Engineering Technologies-Process		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
VO - Vocational Education	171005 - Interior Design Applications			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171003 - Heavy Equipment			

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178029 - Construction Capstone	VO - Vocational Education	171002 - Electrical Trades		
	VO - Vocational Education	171001 - Carpentry		
	VO - Vocational Education	170100 - Air Conditioning and Heating		
	VO - Vocational Education	160610 - Technology Education		
	AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178030 - Principles of Wood Construction	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		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	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
VO - Vocational Education	171005 - Interior Design Applications			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171001 - Carpentry			
VO - Vocational Education	170100 - Air Conditioning and Heating			
AD - Adolescence to Young Adult (7-12)	101315 - Industrial Technology		7 - 12	

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SUBJECT	CREDENTIAL	TEACHING FIELD / ENDORSEMENT	ADDITIONAL TEACHING FIELD / ENDORSEMENT	GRADES
178040 - Fundamentals of Architecture and Construction	AD - Adolescence to Young Adult (Grades 7-12)	101315 - Industrial Technology		7 - 12
	CT - Career Technical (4-12)	173601 - Millwork and Cabinet Making		4 - 12
	CT - Career Technical (4-12)	172306 - Welding and Cutting		4 - 12
	CT - Career Technical (4-12)	171806 - Construction-Management		4 - 12
	CT - Career Technical (4-12)	171504 - Telecommunications		4 - 12
	CT - Career Technical (4-12)	171402 - Power Transmission		4 - 12
	CT - Career Technical (4-12)	171100 - Custodial Services		4 - 12
	CT - Career Technical (4-12)	171805 - Construction-Design and Build		4 - 12
	CT - Career Technical (4-12)	171017 - Building Technology		4 - 12
	CT - Career Technical (4-12)	171012 - Industrial Maintenance and Repair		4 - 12
	CT - Career Technical (4-12)	171011 - Building & Property Maintenance		4 - 12
	CT - Career Technical (4-12)	171007 - Plumbing and Pipefitting		4 - 12
	CT - Career Technical (4-12)	171005 - Interior Design Applications		4 - 12
	CT - Career Technical (4-12)	171004 - Masonry		4 - 12
	CT - Career Technical (4-12)	171003 - Heavy Equipment		4 - 12
	CT - Career Technical (4-12)	171002 - Electrical Trades		4 - 12
	CT - Career Technical (4-12)	171001 - Carpentry		4 - 12
	CT - Career Technical (4-12)	170100 - Air Conditioning and Heating		4 - 12
	CT - Career Technical (4-12)	160610 - Technology Education		4 - 12
	CW - Career Technical Workforce Development	173601 - Millwork and Cabinet Making		4 - 12
	CW - Career Technical Workforce Development	172306 - Welding and Cutting		4 - 12
	CW - Career Technical Workforce Development	171806 - Construction-Management		4 - 12
	CW - Career Technical Workforce Development	171805 - Construction-Design and Build		4 - 12
	CW - Career Technical Workforce Development	171100 - Custodial Services		4 - 12
	CW - Career Technical Workforce Development	171017 - Building Technology		4 - 12
	CW - Career Technical Workforce Development	171012 - Industrial Maintenance and Repair		4 - 12
	CW - Career Technical Workforce Development	171011 - Building & Property Maintenance		4 - 12
	CW - Career Technical Workforce Development	171007 - Plumbing and Pipefitting		4 - 12
	CW - Career Technical Workforce Development	171005 - Interior Design Applications		4 - 12
	CW - Career Technical Workforce Development	171004 - Masonry		4 - 12
	CW - Career Technical Workforce Development	171003 - Heavy Equipment		4 - 12
	CW - Career Technical Workforce Development	171002 - Electrical Trades		4 - 12
	CW - Career Technical Workforce Development	171001 - Carpentry		4 - 12
	CW - Career Technical Workforce Development	170100 - Air Conditioning and Heating		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	173601 - Millwork and Cabinet Making		
	VO - Vocational Education	172306 - Welding and Cutting		
	VO - Vocational Education	171504 - Telecommunications		
	VO - Vocational Education	171402 - Power Transmission		
	VO - Vocational Education	171100 - Custodial Services		
	VO - Vocational Education	171012 - Industrial Maintenance and Repair		
	VO - Vocational Education	171011 - Building & Property Maintenance		
	VO - Vocational Education	171007 - Plumbing and Pipefitting		
VO - Vocational Education	171005 - Interior Design Applications			
VO - Vocational Education	171004 - Masonry			
VO - Vocational Education	171003 - Heavy Equipment			
VO - Vocational Education	171002 - Electrical Trades			
VO - Vocational Education	171001 - Carpentry			
VO - Vocational Education	170100 - Air Conditioning and Heating			