Endorsement Name	Endorsement name and VCODE	OCCUDATIONAL EXDEDIENCE			
Endorsement Name	Endorsement name and VCODE	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME	
Agriculture Education	8100 CTE Agriculture Education (V010000)	Degree and 2000 hours Occupational Experience other than teaching.	010000	Agriculture, General	
		Must also apply for the Residency	010001	Supervised Agricultural Experience	
		Teacher certificate or apply to add	010101	Agricultural Business and Management, General	
		the endorsement to your teacher	010102	Agribusiness/Agricultural Business Operations	
		certificate and take and pass the	010103	Agricultural Economics	
		basic skills test and the content	010104	Farm/Farm & Ranch Management	
		knowledge test and obtain the	010105	Agriculture Farm Supplies, Retailing, and Wholesaling	
		Residency Teacher certificate or the endorsement before the Initial CTE	010106	Agricultural Business Technology	
		certificate can be issued.	010201	Agricultural Mechanization, General	
		certificate can be issued.	010204	Agriculture Power Machinery Operation	
			010205	Agricultural Mechanics & Equipment/Machine Technology	
			010301	Agricultural Production Operations, General	
			010302	Animal /Livestock Husbandry & Production	
			010303	Aquaculture	
			010306	Dairy Husbandry & Production	
			010307	Horse Husbandry/Equine Science and Management	
			010308	Agroecology and Sustainable Agriculture	
			010309 010401	Viticulture and Enology	
			010401	Agricultural and Food Products Processing	
			010504	Dog/Pet/Animal Grooming	
			010507	Equestrian/Equine Studies Applied Horticulture/Horticulture Operations, General	
			010602	Plant Systems Operation(s) & Management in Horticulture & Greenhouses	
			010602	Ornamental Horticulture	
			010603	Greenhouse Operations & Management	
			010605	Landscaping & Grounds Keeping	
			010605	Plant Nursery Operations & Management	
			010607	Turf & Turf Grass Management	
			010608	Floriculture/Floristry Operations & Management	
			010701	International Agriculture	
			010802	Agricultural Communications/Journalism	
				010901	Animal Science, General
			010906	Livestock Management	
			010907	Poultry Science	
			011001	Food Science	
			011002	Food Technology and Processing	
			011101	Plant Sciences, General	
			011102	Agronomy and Crop	
			011103	Horticultural Science	
			011106	Range Science and Management	
			011201	Soil Science and Agronomy, General	
			011202	Soil Chemistry and Physics	
			030101	Natural Resources/Conservation, General	

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	030103	Environmental Studies
	030104	Environmental Science
	030198	Sustainable Design and Technology
	030201	Natural Resources Management & Policy
	030202	Sustainable Design and Technology - Agriculture & Natural Resources Application
	030204	Natural Resources Economics
	030205	Water, Wetlands and Marine Resources Management
	030206	Land Use Planning and Management/Development
	030301	Fishing & Fisheries Sciences & Management
	030501	Forestry, General
	030506	Forest Management/Forest Resources Management
	030508	Urban Forestry
	030510	Forest Resources Production and Management
	030511	Forest Technology/Technician
	030601	Wildlife & Wild Lands Science & Management
	261201	Agricultural Biotechnology
	261302	Marine Biology and Biological Oceanography
	510808	Veterinarian Assistant

ERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Agribusiness	8101 Agribusiness (V010101)	Experience with farming, ranch	010101	Agricultural Business and Management, General
		management, or other agriculture	010102	Agribusiness/Agricultural Business Operations
		related business	010103	Agricultural Economics
			010104	Farm/Farm & Ranch Management
			010106	Agricultural Business Technology
Agricultural Mechanics	8102 Agricultural Mechanics	Experience with repair and maintenance	010201	Agricultural Mechanization, General
	(V010201)	of farm equipment or other agriculture	010204	Agriculture Power Machinery Operations
		related equipment	010205	Agricultural Mechanics & Equipment/Machine Technology
Agricultural Production	8103 Agricultural Production	Experience with management of	010301	Agricultural Production Operations, General
	(V010300)	agriculture animal/livestock, dairy,	010302	Animal/Livestock Husbandry & Production
		ranch production or other agriculture	010306	Dairy Husbandry & Production
		related business	010906	Livestock Management
Aquaculture	8104 Aquaculture	Experience with fresh water and salt	010303	Aquaculture
	(V010303)	water fish farming, or other agriculture	030301	Fishing & Fisheries Sciences & Management
		related aquaculture	261302	Marine Biology and Biological Oceanography
Horticulture	8105 Horticulture	Experience with greenhouse operations,	010601	Applied Horticulture/Horticulture Operations, General
	(V010601)	landscaping, grounds keeper, plant	010602	Plant Systems Operation(s) & Management in Horticulture & Greenhouse
		nursery, turf management, or other	010604	Greenhouse Operations & Management
		agriculture related horticulture business	010605	Landscaping & Grounds Keeping
			010606	Plant Nursery Operations & Management
			010607	Turf & Turf Grass Management
			011103	Horticultural Science
			030508	Urban Forestry
			030198	Sustainable Design and Technology
Floriculture	8106 Floriculture	Experience with floral services from	010603	Ornamental Horticulture

	(V010603)	supply to delivery or other agriculture related floral business	010608	Floriculture/Floristry Operations & Management
Agriculture Food Science	8107 Agriculture Food Science (V011001)	Experience with converting raw agriculture produce into processed	011001	Food Science
		forms suitable for direct human consumption and the storage of such		
		products.		
Natural Resources	8108 Natural Resources	Experience with conservation of air,	030101	Natural Resources/Conservation, General
	(V030101)	soil, water, land, fish and wildlife, and	030103	Environmental Studies
		plant resources. Work in the forestry	030201	Natural Resources Management & Policy
		industry or other agriculture related	030204	Natural Resources Economics
		natural resources business	030205	Water, Wetlands and Marine Resources Management
			030206	Land Use Planning and Management/Development
			030501	Forestry, General
			030506	Forest Management/Forest Resources Management
			030508	Urban Forestry
			030510	Forest Resources Production and Management
			030511	Forest Technology/Technician
			030601	Wildlife & Wild Lands Science & Management
Chemical Technology	8109 Chemical Technology	Experience in the Bio-Technology	260103	Biotechnology Body Systems
	(V410301)	industry	261201	Agricultural Biotechnology
			261202	Health Science and Biotechnology
Veterinarian Assistant	8110 Veterinarian Assistant	Experience as a Veterinarian or	510808	Veterinarian Assistant
	(V510808)	Veterinarian assistant	010901	Animal Science General

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Business Education	8300 CTE Business Education (V070000)	College program completion and BA Degree plus 2000 hours Occupational	090701	TV/Radio Broadcast Journalism Technology
		Experience other than teaching.	091001	Publishing
		Must also apply for the Residency	100201	Photography and Video Foundations
		Teacher certificate or apply to add	100290	Visual Communications Foundations
		the endorsement to your teacher	100301	Graphic Communication Foundations
		certificate and take and pass the	100303	Prepress/Desktop Publishing and Digital Imaging
		basic skills test and the content	100304	Animation, Interactive Technology, Video Games and Special Effects
		knowledge test and obtain the Residency Teacher certificate or the	110103	Fundamentals of Information Technology
		endorsement before the Initial CTE	110201	Computer Programming
		certificate can be issued.	110601	Digital Communication Tools
			110699	Office User Specialist
			110701	Introduction to Computer Science
			110801	Webpage/Digital/Multimedia and Information Resource Design
			110802	Data Modeling and Database Administration
			110803	Video Game Design/Digital Computer Application for Game Design
			110901	Computer Systems Networking and Telecommunications
			111004	Web/Multimedia Management and Webmaster
			111006	Computer Support Specialist

190401Consumer and Family Resources20001Business Law20101Legal Administrative Assistant20101Communications201035Financial Math201046Communications20105Financial Math450601Economics450601Economics520204Business Administrative Assistant520204Business Administration Management520204Business Administration Management520204Business Administrative Support Services520204Business Office Management520204Business Portice Commerce520204Business Portice Commerce520205Electronic Commerce520206Electronic Commerce520207Business Porcedures and Administrative Support Services520401Business Contaming Technology520501Business Communications5207015Business Communications5207016Business Communications5207017Small Business Administration/Management520801Finance520803Barking and Financial Services520804Business Administration/Management520805Restarant/Food Service Management520806Restarant/Food Service Management520801Finance520803Barking and Financial Services520804Business Administration/Management520805Restarant/Food Service Management520806Restarant/Food Service Management520801International Business and			
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521501 Real Estate		521400	Introduction to Marketing
521501 Real Estate		521401	Marketing Management
521999 Social Media Marketing		521501	
		521999	Social Media Marketing

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Marketing Education	8400 CTE Marketing Education (V080000)	College program completion and BA Degree plus 2000 hours Occupational	090903	Advertising
		Experience other than teaching. Must	270305	Financial Math
		also apply for the Residency Teacher	310504	Sports Recreation, and Entertainment Marketing and Management
		certificate or apply to add the	450601	Economics
		endorsement to your teacher	520000	Introduction to Business
		certificate and take and pass the	520208	Electronic Commerce
		basic skills test and the content knowledge test and obtain the	520211	Project Management
		Residency Teacher certificate or the	520501	Business Communications
		endorsement before the Initial CTE	520701	Entrepreneurship
		certificate can be issued.	520703	Small Business Administration/Management
			520901	Hospitality Administration/Management
			520904	Hotel/Motel Administration Management
			520905	Restaurant/Food Service Management
			521101	International Business and Commerce

	521400	Introduction to Marketing
	521401	Marketing Management
	521403	International Marketing
	521501	Real Estate
	521801	Marketing Operations
	521804	Selling Skills and Sales Operations
	521902	Fashion Merchandising
	521906	Tourism Promotion Operations
	521907	Vehicle Parts and Accessories Marketing Operations
	521999	Social Media Marketing

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Business and Marketing Education	8500 CTE Business and Marketing Education (V078000)	College program and BA Degree plus 2000 Occupational Experience other	090701	TV/Radio Broadcast Journalism Technology
Education	Education (V078000)	than teaching. Must also apply for	000002	
		the Residency Teacher certificate or	090903	Advertising
		apply to add the endorsement to your	091001	Publishing
		teacher certificate and take and pass	100201	Photography and Video Foundations
		the basic skills test and the content	100290	Visual Communications Foundations Graphic
		knowledge test and obtain the	100301	Communication Foundations Prepress/Desktop
		Residency Teacher certificate or the	100303	Publishing and Digital Imaging
		endorsement before the Initial CTE	100304	Animation, Interactive Technology, Video Games and Special Effects
		certificate can be issued.	110103	Fundamentals of Information Technology
			110201	Computer Programming
			110601	Digital Communication Tools
			110701	Introduction to Computer Science
			110699	Office User Specialist
			110801	Webpage/Digital/Multimedia and Information Resource Design
			110802	Data Modeling and Database Administration
			110803	Video Game Design/Digital Computer Application for Game Design
			110901	Computer Systems Networking and Telecommunications
		-	111004	Web/Multimedia Management and Webmaster
		-	111006	Computer Support Specialist
		-	190401	Consumer and Family Resources
		-	220001	Business Law
		-	220301	Legal Administrative Assistant
		-	231101	Technical Communications
		-	270305	Financial Math
		-	279998	Business Math
			310504	Sports Recreation, and Entertainment Marketing and Management
			430116	
				Cyber/Computer Forensics
		-	450601	Economics
			520000	Introduction to Business
			520201	Business Administration Management
			520204	Business Office Management
			520208	Electronic Commerce

520211 Project Management 520301 Accounting 520301 Accounting Technology 520401 Business Procedures and Administrative Support Services 520406 Recordkeeping 520501 Business Communications 520701 Entrepreneurship 520703 Small Business Administration/Management 520803 Banking and Financial Services 520901 Hospitality Administration Management 520901 Hospitality Administration Management 520905 Restaurant/Food Service Management 520906 Restaurant/Food Service Management 521010 Interduction to Marketing 521101 Interduction to Marketing 521103 Interduction to Marketing 521104 Interduction to Marketing 521105 Real Estate 521801 Marketing Operations 521802 Fashion Merchandising 521906 Fourism Promotion Operations 521907 Velicle Parts and Accessories Marketing Operations 521909 Social Media Marketing			
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521906 Tourism Promotion Operations 521907 Vehicle Parts and Accessories Marketing Operations		521804	Selling Skills and Sales Operations
521907 Vehicle Parts and Accessories Marketing Operations		521902	Fashion Merchandising
		521906	Tourism Promotion Operations
		521907	Vehicle Parts and Accessories Marketing Operations
		521999	Social Media Marketing

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Publishing	8310 Publishing (V091001)	Experience with newspaper, magazine,	091001	Publishing
		or book publishing		
Business Management	8311 Business Management (V520100)	Management level business experience	270305	Financial Math
			450601	Economics
			520000	Introduction to Business
			520201	Business Administration Management
			520204	Business Office Management
			520208	Electronic Commerce
			520211	Project Management
			520401	Business Procedures and Administrative Support Services
			520501	Business Communications
			520703	Small Business Administration/Management
			520801	Finance
			520905	Restaurant/Food Service Management
			521101	International Business and Commerce
			521400	Introduction to Marketing
			521401	Marketing Management
			521501	Real Estate

			521999	Social Media Marketing
Accounting and Related Programs	8312 Accounting and Related Programs (V520300)	Experience as an accountant, bookkeeper, and work in accounting	270305	Financial Math
		operations of a business	279998	Business Math
			520301	Accounting
			520302	Accounting Technology
			520486	Recordkeeping
			520801	Finance
Legal Administrative Services	8313 Legal Administrative Services (V520403)	Experience as a lawyer, paralegal, law clerk, or legal secretary	220001	Business Law
			220301	Legal Administrative Assistant
			520501	Business Communications
Medical Administrative Services	8314 Medical Administrative Services (V520404)	Experience as a medical secretary, medical records clerk, medical	510716	Medical Administrative/Executive Assistant and Medical Secretary
		insurance adjuster		
Banking Support Services	8316 Bnaking and Support Services (V520895)	Experience with support services in a bank, savings and loan or credit union	270305	Financial Math
		(teller, loan officer, bank accounting	279998	Business Math
		department)	520803	Banking and Financial Services
			520801	Finance
Computer Application & Related Programs	8317 Computer Applications and Related Programs (V521206)	Experience with computer software, word, spreadsheets, data bases, web	100290	Visual Communications Foundations
		page design, network management,	100304	Animation, Interactive Technology, Video Games and Special Effects
		computer repair or computer	110103	Fundamentals of Information Technology
		programming	110201	Computer Programming
			110601	Digital Communication Tools
			110701	Introduction to Computer Science
			110699	Office User Specialist
			110801	Webpage/Digital/Multimedia and Information Resource Design
			110802	Data Modeling and Database Administration
			110803	Video Game Design/Digital Computer Animation for Game Design
			111006	Computer Support Specialist
			231101	Technical Communication
			430116	Cyber/Computer Forensics
			520401	Business Procedures and Administrative Support Services
			520501	Business Communications
Fashion Merchandising	8318 Fashion Merchandising (V080102)	Experience in retail or wholesale experience in the fashion industry	521902	Fashion Merchandising
Entrepreneurship	8319 Entrepreneurship (V080301)	Ownership and operation of self owned	270305	Financial Math
		business	279998	Business Math
			450601	Economics
			520701	Entrepreneurship
			520703	Small Business Administration/Management
			520801	Finance
General Sales Operations	8320 General Sales Operations (V080706)	Experience with direct and indirect sales, ecommerce, or supervisory or	520208	Electronic Commerce

		managerial retail sales	521801	Marketing Operations
			521804	Selling Skills and Sales Operations
Lodging Management	8325 Lodging Management (V520902)	Management level experience in a hotel or lodging facility	520901	Hospitality Administration/Management
			520904	Hotel/Motel Administration Management
Marketing Management	8326 Marketing Management (V521401)	Management level experience in retail or marketing operation; marketing	090903	Advertising
		director	270305	Financial Math
			279998	Business Math
			310504	Sports Recreation, and Entertainment Marketing and Management
			450601	Economics
			520000	Introduction to Business
			520211	Project Management
			521400	Introduction to Marketing
			521401	Marketing Management
			521403	International Marketing
			520501	Business Communications
			520703	Small Business Administration/Management
			520801	Finance
			520905	Restaurant/Food Service Management
			521501	Real Estate
			521801	Marketing Operations
			521804	Selling Skills and Sales Operations
			521906	Tourism Promotion Operations
			521907	Vehicle Parts and Accessories Marketing Operations
			521999	Social Media Marketing

			CIP CODE	CIP NAME
CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIPCODE	UIP NAME
Family and Consumer	8600 CTE Family and Consumer	College program completion and a BA	120500	Introduction to Foods and Related Culinary Arts
Sciences Education	Science (V20002)	Degree plus 2000 hours Occupational	120500	Introduction to Foods and Related Culmary Tites
		Experience other than may be teaching	120501	Baking and Pastry Arts/Baker/Pastry Chef
		in the FACSE field. Must also apply	120505	Food Preparation/Professional Cooking/Kitchen Assistant
		for the Residency Teacher certificate	130101	Careers in Education
		or apply to add the endorsement to	190000	Work and Family Foundations
		your teacher certificate and take and	190001	Personal Choices
		pass the basic skills test and the	190002	Independent Living
		content knowledge test and obtain the	190003	Family Health
		Residency Teacher certificate or the	190401	Consumer and Family Resources
		endorsement before the Initial CTE	190403	Consumer Services
		certificate can be issued.	190501	Nutrition and Wellness
			190504	Food Science, Dietetics and Nutrition
			190601	Housing, Interiors, and Furnishings
			190701	Human Development
			190703	Career, Community and Family Connections
			190704	Family Systems

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		190706	Child Development/Parenting
		190707	Family and Community Services
		190708	Early Childhood, Education, and Services
		190710	Interpersonal Relationships
		190716	Teen Parenting
		190726	GRADS (Graduation, Reality and Dual Skills)
		190901	Textiles and Apparel
		270305	Financial Math
		279998	Business Math
		500510	Costume Design
		520211	Project Management
		520905	Restaurant/Food Service Management
		521902	Fashion Merchandising

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Cosmetology	8630 Cosmetology (V120403)	Experience as a licensed cosmetologist	120401	Cosmetology
Food Production and Services	8640 Food Production and Services (V120505)	Experience in food work that includes the preparation and service of food	120500	Introduction to Foods and Related Culinary Arts
			120501	Baking and Pastry Arts/Baker/Pastry Chef
			120505	Food Preparation/Professional Cooking/Kitchen Assistant
			520905	Restaurant/Food Service Management
Franslation and Interpretation	8641 Translation and Interpretation (V160103)	Experience as a translator from English to another language or from another	160103	Translation and Interpretation
		language to English		
Consumer Services	8642 Consumer Services (V190403)	Experience in the Consumer Services industry, providing end-use advice and	190403	Consumer Services
		representational services to individuals		
		and groups and techniques needed to		
		protect consumers from unsafe, unreliable, and/or unhealthy products		
		and services, including financial		
		services		
		Services		
Food Science Dietetics and Nutrition	8643 Food Science Dietetics and Nutrician (V190504)	Experience in the Food Science, Dietetics and Nutrition industry,	120500	Introduction to Foods and Related Culinary Arts
		including risk management procedures,	190501	Nutrition and Wellness
		nutritional therapy, technology in food	190504	Food Science, Dietetics and Nutrition
		production and diet and nutrition		
		analysis, and planning		
Housing, Interiors and Furnishings	8644 Housing, Interiors and Furnishings (V190601)	Experience in the Housing, Interiors, and Furnishings industry, focusing on	190601	Housing Interiors, and Furnishings

		the behavioral, social, economic, functional and aesthetic aspects of housing, interiors and furnishings, including analyzing, planning designing, furnishing and equipping residential, work and leisure spaces to meet user needs, and he related regulations and policies		
Careers in Family and Community Services	8646 Family and Community Services (V190707)	Experience in the Family and Community Services Industry focusing	190703	Career, Community and Family Connections
		on the development and	190707	Family and Community Services
		implementation of public, private, and voluntary support services for		
		individuals, families, and localities and		
		preparing individuals to function in a		
		variety of occupations promoting family life, and family/community		
		development		
		-		
Early Childhood Education and Support Services	8647 Early Childhood and Community Services (V190708)	Management level experience in a licensed child day care facility	190708	Child Care and Support Services Management
Textiles and Apparel	8648 Textiles and Apparel	Experience in the textile and apparel		
Textiles and Apparen	(V190901)	industry in product design,	190601	Housing, Interiors and Furnishings
		production, merchandising customer	190901	Textiles and Apparel
		service and business profitability		
Educational Para Pro	8649 Educational Para Pro (V200206	Experience as a teacher assistant	131501	Educational Para Pro
Careers in Education	8650 Careers in Education	Bachelor's degree and experience as a	130101	Careers in Education
	(V200212)	teacher at the elementary, middle school	150101	
		or secondary level		
Culinary Arts	8651 Culinary Arts (V200493)	Experience as a chef or working in	120500	Introduction to Foods and Related Culinary Arts
		culinary arts industry	120501	Baking and Pastry Arts/Baker/Pastry Chef
		· _	120503 120505	Culinary Arts/Chefs Training Food Production and Services
		-	520905	Restaurant/Food Service Management
Hospitality, Recreation and Tourism	8652 Hospitality, Recreation and Tourism (V310101)	Experience in the Hospitality, Tourism and Recreation industry demonstration	310101	Hospitality, Tourism, and Recreation
		procedures applied to safety, security		
		and environmental issues, and practices and skills involved in lodging		
		occupations and travel related services,		
		applying concepts of customer services,		
		and managing recreational, leisure and		
		other programs and events		
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Personal Care Services	8612 Personal Care Services (V310510)	Experience working in the health and fitness industry in public private	310507	Physical Fitness Technician
		recreational facilities for community,		
		hospital, or corporate fitness programs		
		providing instruction, supervision and		
		management of programs and program		
		administration; Athletic Trainer		
		Certified.		
Sign Language Interpreter	8670 Sign Language Interpreter (V510205)	Experience as a sign language interpreter or signing assistant to	161603	Sign Language Interpretation/Interpreter
		hearing impaired		

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Health Informatics Career	8601 Health Infomatic Careers (V510700)	Experience in a hospital and /or medical group or clinic, HMOs, health insurance	260103	Biomedical Body Systems
		organizations, or health information	510000	Introduction to Health Science Careers
		technology working with healthcare	510700	Health Informatics Careers Strand
		data, health information management,	510799	Medical Terminology
		and /or designing and utilization of		
		health data systems (examples: Medical		
		Records Management; Medical		
		Biller/Coder: Database Analysts).		
Health Support Services Careers	8602 Health Support Services (V510710)	Experience at a medical facility as a biomedical/clinical engineer and/or in	510000	Introduction to Health Science Careers
		central service, environmental health	510710	Health Support Services Careers Strand Medical
		and safety, hospital maintenance or food	510799	Medical Terminology
		service		
Health Therapeutic Careers	8603 Health Therapeutic Careers (V510800)	Experience in any one (or a combination) of the following: Athletic	190003	Family Health
		Trainer Certified, Chiropractor, Dentist,	260103	Biomedical Body Systems
		Dental Hygienist, Registered Dental	510000	Introduction to Health Science Careers
		Assistant, Licensed Practical Nurse,	510799	Medical Terminology
		Respiratory Care Practitioner, Physical	510800	Therapeutic Services, Other
		or Occupational Therapist, Physical or	510801	Medical Assistant
		Occupational Therapy Assistant, Pharmacist, Medical Physician,	510717	Medical Intervention
		Physician's Assistant Certified,	510601	Dental Assisting
		Thysician's Assistant Certified,	510913	Sports Medicine

I L		Registered Nurse, Advanced Registered	511614	Nursing Assistant
		Nurse Practitioner.	511199	Pre-Allied Health Program
i F		-	510805	Pharmacy Pre-Technician/Assistant
l F		+	510806	Physical Therapist Technician/Aide
		+	510000	
Health Diagnostic Careers	8604 Health Diagnotic Careers (V510900)	Experience as a Medical technologist, or clinical laboratory scientist, clinical	190003	Family Health
í F		chemist, clinical microbiologist,	260103	Biomedical Body Systems
í É		pathologist, or geneticist with National	510000	Introduction to Health Science Careers
í F		Certification, who has worked in an	510799	Medical Terminology
í É		accredited laboratory under a board	510900	Diagnostic Careers Strand
í F		certified pathologist.	510717	Medical Intervention
l T				
Biomedical Sciences	8608 Biomedical Sciences (V260102)	Experience in the biomedical fields. May use 6000 hours of teaching	140501	Bioengineering and Biomedical Engineering
í L		biology.	190003	Family Health
l L			260102	Biomedical Sciences
í E			260103	Biomedical Body Systems
l L			260104	Biomedical Innovations
í [510000	Introduction to Health Science Careers
ί [510717	Medical Intervention
í E			510799	Medical Terminology
ί [511199	Pre-Allied Health Program
ί [512210	Global Health
Health Science Biotechnology	8609 Health Science Biotechnology (V261202)	Experience in the biotechnical fields. May use 6000 hours of teaching	140501	Bioengineering and Biomedical Engineering
		biology.	190003	Family Health
			260103	Biomedical Body Systems
			261202	Health Science Biotechnology
			510000	Introduction to Health Science Careers
			511199	Pre-Allied Health Program
			512210	Global Health
Dental Assistant	8605 Dental Assistant (V510601)	Experience in one of the following:	510601	Dental Assistant
l L		Dentist, Dental Hygienist, Registered		
		Dental Assistant		
Sports Medicine	8606 Sports Medicine (V510709)	Experience in one of the following:	190003	Family Health
í ľ		Athletic Trainer Certified, Chiropractor,	260103	Biomedical Body Systems
I F		Physical or Occupational Therapist,	310507	Personal Fitness Technician
í Ē			-10000	
í – E		Physical or Occupational Therapy	510000	Introduction to Health Science Careers
l I		Physical or Occupational Therapy Assistant	510000 510799	Medical Terminology
			510799	Medical Terminology
			510799 510806	Medical Terminology Physical Therapy Technician/Aide
Nursing Assistant	8607 Nursing Assistant (V511614)	Assistant	510799 510806 510913	Medical Terminology Physical Therapy Technician/Aide Sports Medicine
Nursing Assistant	8607 Nursing Assistant (V511614)		510799 510806 510913 511199	Medical Terminology Physical Therapy Technician/Aide Sports Medicine Pre-Allied Health

			510799	Medical Terminology
			511614	Nursing Assistant
			511199	Pre-Allied Health Program
Global Health	8611 Global Health (V512210)	Experience in one of the following:	260102	Biomedical Sciences
		Biotechnical Fields, Biomedical fields,	261202	Health Science Biotechnology
		or Public Health	512210	Global Health

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME	
Technology Education	8700 CTE Technology Education	College program completion and a BA			
Teennology Education	(V210100)	Degree plus 2000 hours Occupational	030198	Sustainable Design and Technology	
	(*210100)	Experience other than teaching.	100201	Photography and Video Foundations	
		Must also apply for the Residency	100290	Visual Communications Foundations	
		Teacher certificate or apply to add	100301	Graphic Communications Foundations	
		the endorsement to your teacher	110201	Computer Programming	
		certificate and take and pass the	110701	Introduction to Computer Science	
		basic skills test and the content	140102	Pre-Engineering Technologies	
		knowledge test and obtain the	140501	Bioengineering and Biomedical Engineering	
		Residency Teacher certificate or the endorsement before the Initial CTE	149991	Engineering Design 1	
		certificate can be issued.	149992	Engineering Design 2	
		certificate can be issued.	149993	Engineering Design 3	
			149994	Introduction to Science Research Engineering	
			149995	Introduction to Engineering Technology	
			149996	Introduction to Computer Integrated Manufacturing	
			149997	Digital Electronics	
			149998	Introduction to Aerospace Engineering	
			150201	Introduction to Civil Engineering and Architecture	
			150406	Robotics Foundations	
			151301	Drafting and Design Technology General	
		151302	151302	CAD/CADD Drafting and Design Technology	
		Γ	151303	High-Performance Green Building Architectural Drafting and Design	
			151304	Civil Drafting and Civil Engineering CAD/CADD	
				151305	Electrical/Electronics Drafting CAD/CADD
			151306	Mechanical Drafting and CAD/CADD	
			151601	Nanotechnology	
			210198	Technology Foundations	
			400891	Principles of Technology Applied	
			401099	Material Science Technology Applied	
			430100	Public Safety and Security Foundations	
			460100	Architecture and Construction Foundations	
			469998	Pre-Apprenticeship Skills for the Trades	
			470000	Manufacturing Foundations	
			470100	Energy and Power Foundations	
			470600	Automotive Foundations	
			470601	Transportation, Distribution and Logistics Foundation	
			470606	Power Equipment Small Engine Technology/Technician	

480000 Precision Production Trades Foundations
480701 Woodworking Foundations
480703 Cabinetmaking and Millwork/Mill Wright
500499 Design and Commercial Art Foundations

CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
STEM Technology	8760 STEM (V141000)	Experience in one or more of the	030198	Sustainable Design and Technology
		following: Science, Technology,	110201	Computer Programming
		Engineering, Mathematics	110701	Introduction to Computer Science
		*Experience may include teaching in	140102	Pre-Engineering Technologies
		any of the above for 6,000 hours. *Districts must ensure that teachers	140501	Bioengineering and Biomedical Engineering
			141001	Electronics, Engineering and Design
		accessing the V141000 Certificate Code are prepared with the proper technical	141801	Introduction to Materials Engineering
		and safety preparation necessary to	144201	Mechatronics and Industrial Animation
		provide safe and competent instruction.	149991	Engineering Design 1
		provide sale and competent instruction.	149992	Engineering Design 2
			149993	Engineering Design 3
			149994	Introduction to Science Research Engineering
			149995	Introduction to Engineering Technology
			149996	Introduction to Computer Integrated Manufacturing
			149997	Digital Electronics
			149998	Introduction to Aerospace Engineering
			150201	Introduction to Civil Engineering and Architecture
		Γ	150406	Robotics Foundations
		Γ	150801	Aeronautical and Aerospace Engineering Technology
		Γ	151201	Computer Engineering Technology
		Γ	151301	Drafting and Design Technology General
		Γ	151302	CAD/CADD Drafting and /or Design Technology
		Γ	151602	Nanotechnology
		Γ	210198	Technology Foundations
		Ī	279991	Technical Mathematics for the Trades
		Ī	400891	Principles of Technology Applied
		Ī	401099	Material Science Technology Applied
Communication Technologies	8701 Communications Technology (V100100)	Experience in one or more of the following: TV production, radio	090701	TV/Radio Broadcast Journalism Technology
		production, or audio/visual media	100201	Photography and Video Foundations
		production, graphic communication	100202	Video Production Technology/Technician
		work including press work, lithographic	100203	Recording Arts and Sound Reinforcement Technology
		equipment and operations, desktop,	100290	Visual Communications Foundations Graphic
		publishing, or web design, commercial	100301	Communications Foundations Prepress/Desktop
		photography	100303	Publishing and Digital Imaging Technology/Technician
		Ī	100304	Animation, Interactive Technology, Video Graphics and Special Effects
		1	100305	Graphics and Printing Equipment Operator and General Production
		1	110801	Webpage/Digital/Multimedia and Information Resource Design
		t F	110803	Video Game Design/Digital Computer Application for Game Design

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		-	111004	Web/Multimedia Management and Webmaster
		4	210198	Technology Foundations
			500402	Graphic Design/Commercial and Advertising Art
			500406	Commercial Photography
] [500499	Design and Commercial Art Foundations
		1 6	500102	Digital Art
		1 1	500510	Technical Theater/Theater Design and Technology
		4 -	500602	Cinematography and Cinema Production
Material Engineering	8702 Material Engineering (V141801)	Experience as a material engineer in a manufacturing plant	141801	Materials Engineering
	(*******)		150505	Solar and Wind Energy Technology
		4	470100	Energy and Power Foundations
En sin serie s	8726 Empire anima ($3/142501$)	A		
Engineering	8726 Engineering (V143501)	Any work experience in engineering	140102	Pre-Engineering Technologies
		4	140501	Bioengineering and Biomedical Engineering
		_	149991	Engineering Design 1
		4	149992	Engineering Design 2
			149993	Engineering Design 3
			149994	Introduction to Science Research in Engineering
] [149995	Introduction to Engineering Technology
		1 6	149996	Introduction to Computer Integrated Manufacturing
		1 1	149997	Digital Electronics
		4 -	149998	Introduction to Aerospace Engineering
		4	151601	Nanotechnology
	9702 M 6 4 5 T 1 1		151001	Ivanoteennology
Manufacturing Technology	8703 Manufacturing Technology (V150100)	Experience in the manufacturing industry solving production problems	030198	Sustainable Design and Technology
		_	140102	Pre-Engineering Technologies
			140501	Bioengineering and Biomedical Engineering
			144201	Mechatronics and Industrial Automation
			149991	Engineering Design 1
] [149992	Engineering Design 2
		1 [149993	Engineering Design 3
		1 1	149994	Introduction to Science Research in Engineering
		† F	149995	Introduction to Engineering Technology
		4	149996	Introduction to Engineering Technology
		4	149997	Digital Electronics
		4		
		4	149998	Introduction to Aerospace Engineering
		4	150201	Introduction to Civil Engineering and Architecture
		4	150405	Industrial Robotics Technology/Technician
		4	150406	Robotics Foundations
			150613	Manufacturing Technology/Technician
			151306	Mechanical Drafting and CAD/CADD
			151601	Nanotechnology
		† •	210198	Technology Foundations
		1	470000	Manufacturing Foundations
		4	470495	Computer Integrated Manufacturing
IDOTC	8725 IDOTC (V/280200)	Experience as a an officer in any branch	280/201	
JROTC	8725 JROTC (V280300)	Experience as a an officer in any branch of the services	280301	JROTC

Criminal Protective Services	8704 Criminal Protective Services (V430100)	Experience in law enforcement as a police officer, sheriff department,	430100	Public Safety and Securities Foundation
		military police or security operations	430106	Forensic Science Technology
			430107	Criminal Justice/Police Science
		† F	430109	Homeland Security and Loss Prevention Services
		† F	439901	Emergency Dispatcher
Forensic Technology	8705 Forensic Technology (V430106)	Experience in a crime forensic lab, a mortuary, or other laboratory experience	430106	Forensic Science Technology
Fire Services	8706 Fire Service (V430203)	Experience as a Fire fighter	430100	Public Safety and Securities Foundation
		-	430203	Fire Science/Fire Fighting
		-	430206	Wildland/Forest Firefighter and investigation
			439901	Emergency Dispatcher
Construction Trades	8707 Construction Trades (V460200)	Experience in building constriction and carpentry, woodworking, cabinetmaking	030198	Sustainable Design and Technology
		and millwork	151303	High-Performance Green Building Architectural Drafting and Design
			210198	Technology Foundations
			460000	Commercial Construction Trades
			460100	Architecture and Construction Foundations Residential
			460201	Carpentry/Carpenter
			460290	Marine Carpentry/Boat Building
			469998	Pre-Apprenticeship Skills for the Trades
			470616	Marine Maintenance and Ship Repair Technology/Technician
		T T	480701	Woodworking Foundations
			480703	Cabinetmaking and Millwork/Millwright
Electrician	8708 Electrician (V460302)	Experience in electrical work including	030198	Sustainable/Design and Technology
		installation and maintenance or	141001	Electronics, Engineering and Design
		electrical systems	151305	Electrical/Electronic Drafting CAD/CADD
		Ĩ	150505	Solar and Wind Energy Technology
		Ĩ	460302	Green Residential Electrician
		Ι Γ	469998	Pre-Apprenticeship Skills for the Trades
Electrical and Electronic Equipment Repair	8710 Electrical and Electrical Equiptment Repair (V470101)	Experience with repair and maintenance of electrical and electronic equipment	030198	Sustainable/Design and Technology
		ļ	110901	Computer Systems Networking and Telecommunications
			141001	Electrical/Electronics and Communication Engineer
		T T	144201	Mechatronics and Industrial Automation
]	151305	Electrical/Electronic Drafting CAD/CADD
			150405	Industrial Robotics Technology/Technician
] [150406	Robotics Foundations
			150505	Solar and Wind Energy Technology
] [210198	Technology Foundations
		1	460302	Green Residential Electrician
		+	470100	Energy and Power Foundations
			470100 470101	Energy and Power Foundations Electrical/Electronics Equipment installation and Repair

(V20110) (V20110) (V20110) (III)oving: Computer programming computer prigram durinationants (III)OVID (IIII)OVID (III)OVID <td< th=""><th>Computer Technology</th><th>8711 Computer Technology</th><th>Experience in one or more of the</th><th></th><th></th></td<>	Computer Technology	8711 Computer Technology	Experience in one or more of the		
Auronofy: Technology 8712 Refrigeration Air September in automotive body repair 110701 Horkensite and Medicing and Database Administration Refrigeration Air 110802 Data Medicing and Database Administration 110801 Computer System Networking and Telecommutations. 110802 Computer System Networking and Telecommutations. 110801 Computer System Networking and Telecommutations. 110801 Computer System Networking and Telecommutations. 110801 Computer System Networking and Telecomology. 110801 Refrigeration Air	Computer reenhology	1 00	following: Computer programming,		Animation, Interactive Technology, Video Graphics and Special Effects
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Precision Metal Worker	8719 Precision Metal Worker (V480500)	Experience in welding and metal work	470495	Computer Integrated Manufacturing
			480000	Precision Production Trades Foundations
			480503	Machine Shop Technology
			480506	Sheet Metal Technology/Technician
			480508	Welding Technology/Welder
			480511	Metal Fabricator
Aviation Occupations	8720 Aviation Occupations (V490100	Experience as an aircraft pilot or as a part of a flight crew	490102	Airline/Commercial Pilot and Flight Crew
Water Transportation/Worker	8721 Water TransportationWorker (V490300)	Experience in any aspect of the water transportation industry including,	460290	Marine Carpentry/Boat Building
		marine Science, boat building and	470601	Transportation, Distribution and Logistics Foundation
		maintenance	470616	Marine Maintenance and Ship Repair Technology /Technician
			490309	Merchant Marine Officer/Crew
Commercial Design/Applied Art	8722 Commercial Design/Applied Art (V500400)	Experience in commercial art and wearable art. Creating, producing, and	500499	Design and Commercial Art Foundations
		selling products including glass, metal,	500402	Graphic Design/Commercial and Advertising Art
		clay, textiles, wood, polymers, mixed	500713	Wearable Metal and Jewelry Design Technology/Technician
		media, etc.	500797	Professional Production Art Technology/Technician
Stage Design Technician	8723 Stage Design/Technician (V500502)	All aspects of stage production including set design and sound systems	469998	Pre-Apprenticeship Skills for the Trades
			500502	Technical Theater/Theater Design and Technology
			500502	Costume Design

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CERTIFICATION NAME		OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
Career Choices	8920 Career Choices (V600092)	Must hold a University route CTE		Career Choices
		Teacher Initial or Continuing Certificate	320107	
		and Worksite Learning Coordinator		
Worksite Learning	8922 Worksite Learning (V600097)	Possess a valid initial or continuing	018888	Agriculture Cooperative Worksite Experience
Coordinator		CTE Teacher Certificate and	018888	Agriculture Cooperative worksite Experience
		demonstrate all competencies related to	038888	Natural Resources and Conservation Cooperative Worksite Experience
		coordination techniques as verified by a	098888	Communications/Journalism Cooperative Worksite Experience
		professional educator standards board	108888	Communication Technologies Cooperative Worksite Experience
		approved program (WAC 181-77-068);	118888	Computer and Information Science and Support Services Cooperative Worksite Experience
		Completion of a WBL Coordination	128888	Personal and Culinary Services Cooperative Worksite Experience
		Techniques course	138888	Education Cooperative Worksite Experience
			148888	Engineering Cooperative Worksite Experience
			158888	Engineering Technologies Cooperative Worksite Experience
			168888	Linguistics Cooperative Worksite Experience
			198888	Family and Consumer Sciences Cooperative Worksite Experience
			218888	Technology Education Cooperative Worksite Experience
			268888	Biology & Biomedical Sciences Cooperative Worksite Experience
			288888	Government and Public Administration Cooperative Worksite
			318888	Hospitality, Tourism, and Recreation Cooperative Worksite
			438888	Security and Protective Service Cooperative Worksite Experience

		468888	Construction Trades Cooperative Worksite Experience
		478888	Mechanic and Repair Technologies Cooperative Worksite Experience
		488888	Precision Production Cooperative Worksite Experience
		498888	Transportation and Material Moving Cooperative Worksite Experience
	508888	508888	Visual and Performing Arts Cooperative Worksite Experience
		518888	Health Sciences Careers Cooperative Worksite Experience
		528888	Business & Marketing Education Cooperative Worksite Experience