

CAREER AND TECHNICAL EDUCATION CERTIFICATION

CERTIFICATE CODE	CERTIFICATE NAME	CIP CODE	CIP NAME
V010000 College/University Programs	Agriculture Education	010000	Agriculture, General
		010001	Supervised Agricultural Experience
		010101	Agricultural Business and Management, General
		010102	Agribusiness/Agricultural Business Operations
		010103	Agricultural Economics
		010104	Farm/Farm & Ranch Management
		010105	Agriculture Farm Supplies, Retailing, and Wholesaling
		010106	Agricultural Business Technology
		010201	Agricultural Mechanization, General
		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
		010401	Agricultural and Food Products Processing
		010504	Dog/Pet/Animal Grooming
		010507	Equestrian/Equine Studies
		010601	Applied Horticulture/Horticulture Operations, General
		010602	Plant Systems Operation(s) & Management in Horticulture & Greenhouse
		010603	Ornamental Horticulture
		010604	Greenhouse Operations & Management
		010605	Landscaping & Grounds Keeping
		010606	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 Science		

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		011103	Horticultural Science
		011106	Range Science and Management
		011201	Soil Science and Agronomy, General
		030101	Natural Resources/Conservation, General
		030103	Environmental Studies
		030198	Sustainable Design and Technology
		030201	Natural Resources Management & Policy
		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

CERTIFICATE CODE	CERTIFICATE NAME	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
AGRICULTURE AND SCIENCE PATHWAY				
V010101	Agribusiness	Occupational experience in farming, ranch management, or other agriculture related business	010101 010102 010103 010104 010106	Agricultural Business and Management, General Agribusiness/Agricultural Business Operations Agricultural Economics Farm/Farm & Ranch Management Agricultural Business Technology
V010201	Agricultural Mechanics	Repair and maintenance of farm equipment or other agriculture related equipment	010201 010204 010205	Agricultural Mechanization, General Agriculture Power Machinery Operations Agricultural Mechanics & Equipment/Machine Technology
V010300	Agricultural Production	Management of agriculture animal/livestock, dairy, ranch production or other agriculture related business	010301 010302 010306 010906	Agricultural Production Operations, General Animal/Livestock Husbandry & Production Dairy Husbandry & Production Livestock Management
V010303	Aquaculture	Fresh water and salt water fish farming, or	010303	Aquaculture

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		other agriculture related aquaculture business	030301 261302	Fishing & Fisheries Sciences & Management Marine Biology and Biological Oceanography
V010601	Horticulture	Greenhouse operations, landscaping, grounds keeper, plant nursery, turf management, or other agriculture related horticulture business	010601 010602 010604 010605 010606 010607 011103 030508 030198	Applied Horticulture/Horticulture Operations, General Plant Systems Operation(s) & Management in Horticulture & Greenhouse Greenhouse Operations & Management Landscaping & Grounds Keeping Plant Nursery Operations & Management Turf & Turf Grass Management Horticultural Science Urban Forestry Sustainable Design and Technology
V010603	Floriculture	Floral services from supply to delivery or other agriculture related floral business	010603 010608	Ornamental Horticulture Floriculture/Floristry Operations & Management
V011001	Agriculture Food Science	Industry experience in converting raw agriculture produce into processed forms suitable for direct human consumption and the storage of such products.	011001	Food Science
V030101	Natural Resources	Environmental work in conservation of air, soil, water, land, fish and wildlife, and plant resources. Work in the forestry industry or other agriculture related natural resources business	030101 030103 030201 030204 030205 030206 030501 030506 030508 030510 030511 030601	Natural Resources/Conservation, General Environmental Studies Natural Resources Management & Policy Natural Resources Economics Water, Wetlands and Marine Resources Management Land Use Planning and Management/Development Forestry, General Forest Management/Forest Resources Management Urban Forestry Forest Resources Production and Management Forest Technology/Technician Wildlife & Wild Lands Science & Management
V410301	Chemical Technology	Work in the Bio-Technology industry	260103 261201 261202	Biotechnology Body Systems Agricultural Biotechnology Health Science and Biotechnology
V510808	Veterinarian Assistant	Veterinarian or Veterinarian assistant	510808 010901	Veterinarian Assistant Animal Science General

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CERTIFICATE CODE	CERTIFICATE NAME	CIP CODE	CIP NAME
V070000 College/University Programs	Business Education	090701	TV/Radio Broadcast Journalism Technology
		091001	Publishing
		100201	Photography and Video Foundations
		100290	Visual Communications Foundations
		100301	Graphic Communication Foundations
		100303	Prepress/Desktop Publishing and Digital Imaging
		100304	Animation, Interactive Technology, Video Games and Special Effects
		110103	Fundamentals of Information Technology
		110201	Computer Programming
		110601	Digital Communication Tools
		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
		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		
520302	Accounting Technology		

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		520401	Business Procedures and Administrative Support Services
		520486	Recordkeeping
		520501	Business Communications
		520701	Entrepreneurship
		520801	Finance
		520803	Banking and Financial Services
		520905	Restaurant/Food Service Management
		521101	International Business and Commerce
		521400	Introduction to Marketing
		521401	Marketing Management
		521501	Real Estate
		521999	Social Media Marketing

CERTIFICATE CODE	CERTIFICATE NAME	CIP CODE	CIP NAME
V080000 College/University Programs	Marketing Education	090903	Advertising
		270305	Financial Math
		310504	Sports Recreation, and Entertainment Marketing and Management
		430116	Cyber/Computer Forensics
		450601	Economics
		520000	Introduction to Business
		520208	Electronic Commerce
		520211	Project Management
		520501	Business Communications
		520701	Entrepreneurship
		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

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V078000 College/University Programs	Business and Marketing Education	090701 090903 091001 100201 100290 100301 100303 100304 110103 110201 110601 110699 110801 110802 110803 110901 111004 111006 190401 220001 220301 231101 270305 279998 310504 430116 450601 520000 520201 520204 520208 520211 520301 520302 520401 520486 520501 520701	TV/Radio Broadcast Journalism Technology Advertising Publishing Photography and Video Foundations Visual Communications Foundations Graphic Communication Foundations Prepress/Desktop Publishing and Digital Imaging Animation, Interactive Technology, Video Games and Special Effects Fundamentals of Information Technology Computer Programming Digital Communication Tools Office User Specialist Webpage/Digital/Multimedia and Information Resource Design Data Modeling and Database Administration Video Game Design/Digital Computer Application for Game Design Computer Systems Networking and Telecommunications Web/Multimedia Management and Webmaster Computer Support Specialist Consumer and Family Resources Business Law Legal Administrative Assistant Technical Communications Financial Math Business Math Sports Recreation, and Entertainment Marketing and Management Cyber/Computer Forensics Economics Introduction to Business Business Administration Management Business Office Management Electronic Commerce Project Management Accounting Accounting Technology Business Procedures and Administrative Support Services Recordkeeping Business Communications Entrepreneurship
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		520801	Finance
		520803	Banking and Financial Services
		521101	International Business and Commerce
		520208	Electronic Commerce
		520501	Business Communications
		520701	Entrepreneurship
		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

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Subcategory Specialty Areas for Business Education				
CERTIFICATE CODE	CERTIFICATE NAME	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
V091001	Publishing	Newspaper, magazine, or book publishing	091001	Publishing
V520100	Business Management	Management level business experience	270305 450601 520000 520201 520204 520208 520211 520401 520501 520801 520905 521101 521400 521401 521501 521999	Financial Math Economics Introduction to Business Business Administration Management Business Office Management Electronic Commerce Project Management Business Procedures and Administrative Support Services Business Communications Finance Restaurant/Food Service Management International Business and Commerce Introduction to Marketing Marketing Management Real Estate Social Media Marketing
V520300	Accounting and Related Programs	Accountant, bookkeeper, and work in accounting operations of a business	270305 279998 520301 520302 520486 520801	Financial Math Business Math Accounting Accounting Technology Recordkeeping Finance
V520403	Legal Administrative Services	Lawyer, Para legal, law clerk, or legal secretary	220001 220301 520501	Business Law Legal Administrative Assistant Business Communications
V520404	Medical Administrative Services	Medical secretary, medical records clerk, medical insurance adjuster	510716	Medical Administrative/Executive Assistant and Medical Secretary
V520895	Banking Support Services	Support services in a bank, savings and loan or credit union (teller, loan officer, bank accounting department)	207305 279998 520803 520801	Financial Math Business Math Banking and Financial Services Finance

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V521206	Computer Application & Related Programs	Use of computer software, word, spreadsheets, data bases, web page design, network management, computer repair or computer programming	100290 100304 110103 110201 110601 110699 110801 110802 110803 111006 231101 430116	Visual Communications Foundations Animation, Interactive Technology, Video Games and Special Effects Fundamentals of Information Technology Computer Programming Digital Communication Tools Office User Specialist Webpage/Digital/Multimedia and Information Resource Design Data Modeling and Database Administration Video Game Design/Digital Computer Animation for Game Design Computer Support Specialist Technical Communication Cyber/Computer Forensics
V080102	Fashion Merchandising	Retail or wholesale experience in the fashion industry	521902	Fashion Merchandising
V080301	Entrepreneurship	Ownership and operation of self owned business	270305 279998 450601 520701 520801	Financial Math Business Math Economics Entrepreneurship Finance
V080706	General Sales Operations	Direct and indirect sales, ecommerce, or supervisory or managerial retail sales	520208 521801 521804	Electronic Commerce Marketing Operations Selling Skills and Sales Operations

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V520902	Lodging Management	Manager of a hotel or lodging facility	190604 520901 520904	Facilities Management Hospitality Administration/Management Hotel/Motel Administration Management
V521401	Marketing Management	Management experience in retail or marketing operation; marketing director	090903 270305 279998 310504 450601 520000 520211 521400 521401 521403 520501 520801 520905 521501 521801 521804 521906 521907 521999	Advertising Financial Math Business Math Sports Recreation, and Entertainment Marketing and Management Economics Introduction to Business Project Management Introduction to Marketing Marketing Management International Marketing Business Communications Finance Restaurant/Food Service Management Real Estate Marketing Operations Selling Skills and Sales Operations Tourism Promotion Operations Vehicle Parts and Accessories Marketing Operations Social Media Marketing

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CERTIFICATE CODE	CERTIFICATE NAME	CIP CODE	CIP NAME
V200002 College/University Programs	Family and Consumer Sciences Education	120500	Introduction to Foods and Related Culinary Arts
		120505	Food Preparation/Professional Cooking/Kitchen Assistant
		130101	Careers in Education
		190000	Work and Family Foundations
		190001	Personal Choices
		190002	Independent Living
		190003	Family Health
		190401	Consumer and Family Resources
		190403	Consumer Services
		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
		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		

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

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V190707	Careers in Family and Community Services	Experience in the Family and Community Services Industry focusing on the development and 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	190703 190707	Career, Community and Family Connections Family and Community Services
V190708	Early Childhood Education and Support Services	Management in a licensed child day care facility	190708	Child Care and Support Services Management
V190901	Textiles and Apparel	Textile and apparel industry experience in product design, production, merchandising customer service and business profitability	190601 190901 500516	Housing, Interiors and Furnishings Textiles and Apparel Costume Design
V200206	Educational Para Pro	Experience as a teacher assistant	131501	Educational Para Pro
V200212	Careers in Education	Teaching experience at the elementary, middle school or secondary level	130101	Careers in Education
V200493	Culinary Arts	Chef, work in culinary arts industry	120500 120503 120505 520905	Introduction to Foods and Related Culinary Arts Culinary Arts/Chefs Training Food Production and Services Restaurant/Food Service Management
V310101	Hospitality, Recreation and Tourism	Experience in the Hospitality, Tourism and Recreation industry demonstration 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	310101	Hospitality, Tourism, and Recreation
V510205	Sign Language Interpreter	Experience as a sign language interpreter or signing assistant to hearing impaired	161603	Sign Language Interpretation/Interpreter

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Subcategory Specialty Areas for Human Services

Subcategory Specialty Areas for Health Sciences Careers				
CERTIFICATE CODE	CERTIFICATE NAME	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
V510700	Health Informatics Career	Occupational experience in a medical office (doctor, clinic, or hospital) or a certificated medical assistant.	510000 510700 510799 510805	Introduction to Health Science Careers Health Infomatic Careers Strand Medical Terminology Pharmacy Pre-Technician/Assistant
V510710	Health Support Services Careers	Work at a medical facility (biomedical/clinic engineer, central service, environmental health and safety, hospital maintenance or food service)	510000 510710 510799	Introduction to Health Science Careers Health Support Services Careers Strand Medical Terminology
V510800	Health Therapeutic Careers	Experience in any one (or a combination) of the following: Athletic Trainer Certified, Chiropractor, Dentist, Dental Hygienist, Dental Assistant Certified, Licensed Practical Nurse, Certified Health Care Assistant Category F, Respiratory, Physical or Occupational Therapist, Physical or Occupational Therapy Assistant, Pharmacist, Medical Physician, Physician's Assistant Certified, Registered Nurse, Registered Nurse Practitioner, other occupational experience where the therapeutic strand standards and foundation standards were preformed and required training was at the Health Care Assistant Category F level or above.	190003 510000 510799 510800 510801 510717 510601 510913 511614 511199 510805	Family Health Introduction to Health Science Careers Medical Terminology Therapeutic Services, Other Medical Assistant Medical Intervention Dental Assisting Sports Medicine Nursing Assistant Pre-Allied Health Program Pharmacy Pre-Technician/Assistant

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V510900	Health Diagnostic Careers	Medical technologist, or clinical laboratory scientist, clinical chemist, clinical microbiologist, pathologist, or geneticist with National Certification, who has worked in an accredited laboratory under a board certified pathologist.	510000 510900 510717 510805	Introduction to Health Science Careers Diagnostic Careers Strand Medical Intervention Pharmacy Pre-Technician/Assistant
V260102	Biomedical Sciences	Experience in the biomedical fields	510000 260102 510799 511199	Introduction to Health Science Careers Biomedical Sciences Medical Terminology Pre-Allied Health Program
V261202	Health Science Biotechnology	Experience in the biotechnical fields. May use 6000 hours of teaching biology.	510000 260103 261202 511199	Introduction to Health Science Careers Biotechnology-Body Systems Health Science Biotechnology Pre-Allied Health Program
V510601	Dental Assistant	Experience in one of the following: Dentist, Dental Hygienist, Dental Assistant Certified	510601	Dental Assistant
V510709	Sports Medicine	Experience in one of the following: Athletic Trainer Certified, Chiropractor, Physical or Occupational Therapist, Physical or Occupational Therapy Assistant	510799 510913	Medical Terminology Sports Medicine
V511614	Nursing Assistant	Experience in one of the following: Registered Nurse, Registered Nurse Practitioner	510000 510799 511614 511199	Introduction to Health Science Careers Medical Terminology Nursing Assistant Pre-Allied Health Program

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CERTIFICATE CODE	CERTIFICATE NAME	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
V141000	STEM Technology	Occupational experience in one or more of the following: Science Technology Engineering Mathematics Occupational experience may include teaching in any of the above for 6,000 hours.	030198 140102 141001 141801 149991 149992 149993 149994 149995 149996 149997 149998 150201 150406 150801 151301 151302 210198 279991	Sustainable Design and Technology Pre-Engineering Technologies Electronics, Engineering and Design Introduction to Materials Engineering Engineering Design 1 Engineering Design 2 Engineering Design 3 Introduction to Science Research Engineering Introduction to Engineering Technology Introduction to Computer Integrated Manufacturing Digital Electronics Introduction to Aerospace Engineering Introduction to Civil Engineering and Architecture Robotics Foundations Aeronautical and Aerospace Engineering Technology Drafting and Design Technology General CAD/CADD Drafting and /or Design Technology Technology Foundations Technical Mathematics for the Trades

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CERTIFICATE CODE	CERTIFICATE NAME	CIP CODE	CIP NAME
V210100 College/University Program	Technology Education	030198	Sustainable Design and Technology
		100201	Photography and Video Foundations
		100290	Visual Communications Foundations
		100301	Graphic Communications Foundations
		140102	Pre-Engineering Technologies
		149991	Engineering Design 1
		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
		150406	Robotics Foundations
		151301	Drafting and Design Technology General
		151302	CAD/CADD Drafting and Design Technology
		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
		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

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		480703	Cabinetmaking and Millwork/Mill Wright
		500499	Design and Commercial Art Foundations

CERTIFICATE CODE	CERTIFICATE NAME	OCCUPATIONAL EXPERIENCE	CIP CODE	CIP NAME
SKILLS AND TECHNOLOGY SCIENCES PATHWAY				
Subcategory Specialty Areas for Skills and Technology Sciences				
V100100	Communication Technologies	Occupational experience in one or more of the following: TV production, radio production, or audio/visual media production, graphic communication work including press work, lithographic equipment and operations, desktop, publishing, or web design, commercial photography	090701 100201 100202 100203 100290 100301 100303 100304 100305 110801 110803 111004 210198 500402 500406 500499 500102 500502 500602	TV/Radio Broadcast Journalism Technology Photography and Video Foundations Video Production Technology/Technician Recording Arts and Sound Reinforcement Technology Visual Communications Foundations Graphic Communications Foundations Prepress/Desktop Publishing and Digital Imaging Technology/Technician Animation, Interactive Technology, Video Graphics and Special Effects Graphics and Printing Equipment Operator and General Production Webpage/Digital/Multimedia and Information Resource Design Video Game Design/Digital Computer Application for Game Design Web/Multimedia Management and Webmaster Technology Foundations Graphic Design/Commercial and Advertising Art Commercial Photography Design and Commercial Art Foundations Digital Art Technical Theater/Theater Design and Technology Cinematography and Cinema Production

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V141801	Material Engineering	Material engineer in a manufacturing plant	141801 150505 470100	Materials Engineering Solar and Wind Energy Technology Energy and Power Foundations
V143501	Engineering	Any work experience in engineering	140102 149991 149992 149993 149994 149995 149996 149997 149998	Pre-Engineering Technologies Engineering Design 1 Engineering Design 2 Engineering Design 3 Introduction to Science Research in Engineering Introduction to Engineering Technology Introduction to Computer Integrated Manufacturing Digital Electronics Introduction to Aerospace Engineering
V150100	Manufacturing Technology	Work in the manufacturing industry solving production problems	030198 140102 144201 149991 149992 149993 149994 149995 149996 149997 149998 150201 150405 150406 150613 151306 210198 470000 470495	Sustainable Design and Technology Pre-Engineering Technologies Mechatronics and Industrial Automation Engineering Design 1 Engineering Design 2 Engineering Design 3 Introduction to Science Research in Engineering Introduction to Engineering Technology Introduction to Computer Integrated Manufacturing Digital Electronics Introduction to Aerospace Engineering Introduction to Civil Engineering and Architecture Industrial Robotics Technology/Technician Robotics Foundations Manufacturing Technology/Technician Mechanical Drafting and CAD/CADD Technology Foundations Manufacturing Foundations Computer Integrated Manufacturing

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V 280300	JROTC	An officer in any branch of the services	280301	JROTC
V430100	Criminal Protective Services	Law enforcement as a police officer, sheriff department, military police or security operations	430100 430106 430107 430109 439901	Public Safety and Securities Foundation Forensic Science Technology Criminal Justice/Police Science Homeland Security and Loss Prevention Services Emergency Dispatcher
V430106	Forensic Technology	Work in crime forensic lab, a mortuary, or other laboratory experience	430106	Forensic Science Technology
V430203	Fire Services	Experience as a Fire fighter	430100 430203 430206 439901	Public Safety and Securities Foundation Fire Science/Fire Fighting Wildland/Forest Firefighter and investigation Emergency Dispatcher
V460200	Construction Trades	All building construction and carpentry, woodworking, cabinetmaking and millwork	030198 151303 210198 460000 460100 460201 460290 469998 470616 480701 480703	Sustainable Design and Technology High-Performance Green Building Architectural Drafting and Design Technology Foundations Commercial Construction Trades Architecture and Construction Foundations Residential Carpentry/Carpenter Marine Carpentry/Boat Building Pre-Apprenticeship Skills for the Trades Marine Maintenance and Ship Repair Technology/Technician Woodworking Foundations Cabinetmaking and Millwork/Millwright
V460302	Electrician	Electrical work including installation and maintenance or electrical systems	030198 141001 151305 150505 460302 469998	Sustainable/Design and Technology Electronics, Engineering and Design Electrical/Electronic Drafting CAD/CADD Solar and Wind Energy Technology Green Residential Electrician Pre-Apprenticeship Skills for the Trades

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V460101	Building Maintenance Technician	Occupational experience in cleaning and care of buildings	120903	Building Service Technician
V470101	Electrical and Electronic Equipment Repair	Repair and Maintenance of electrical and electronic equipment	030198 110901 141001 144201 151305 150405 150406 150505 210198 460302 470100 470101 470104 470197	Sustainable/Design and Technology Computer Systems Networking and Telecommunications Electrical/Electronics and Communication Engineer Mechatronics and Industrial Automation Electrical/Electronic Drafting CAD/CADD Industrial Robotics Technology/Technician Robotics Foundations Solar and Wind Energy Technology Technology Foundations Green Residential Electrician Energy and Power Foundations Electrical/Electronics Equipment installation and Repair Computer Installation and Repair Technology/Technician Home and Mobile Entertainment Electronics Installation and Repair Technician
V470110	Computer Technology	Occupational experience in one or more of the following: Computer programming, computer repair and maintenance or network management	100304 110201 110801 110802 110803 110901 111004 111006 151201 151202 210198 430116 470104	Animation, Interactive Technology, Video Graphics and Special Effects Computer Programming Web Page/Digital/Multimedia and Information Design Data Modeling and Database Administration Video Game Design/Digital Computer Application for Game Design Computer Systems Networking and Telecommunications Technical Support Services Computer Support Specialist Computer Engineering Technology Technician Computer Technology/Computer Systems Technology Technology Foundations Cyber/Computer Forensics Computer Installation and Repair Technology/Technician
V470201	Refrigeration/Air-Conditioning/Heating	Installation and repair of refrigeration, air conditioning and heating equipment	470201 469998	Heating, Air Conditioning, Ventilation, and Refrigeration Maintenance Technology/Technician Pre-Apprenticeship Skills for the Trades

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V470600	Automotive Technology	Occupational experience in one or more of the following: Auto mechanic, diesel mechanic, or small engine repair and maintenance	030198 210198 470197 470600 470601 470604 470605 470606 470611 470698 521907	Sustainable Design and Technology Technology Foundations Home and Mobile Entertainment Electronics Installation and Repair Technician Automotive Foundations Transportation, Distribution and Logistics Foundation NATEF/ASE Automotive Technician Diesel Mechanics and Repair Power Equipment Small Engine Technology/Technician Motorcycle Maintenance and Repair Technology/Technician Automobile/Automotive General Service Technician Vehicle Parts and Accessories Marketing Operations
V470603	Auto Body Repair	Automotive body repair	470603 470688	Auto Body/Collision and Repair Technology/Technician Auto Detailer
V470608	Aircraft Technician	Aircraft mechanic or airframe technician	150801 470601 470607 490102	Aeronautical and Aerospace Engineering Technical/Technician Transportation, Distribution and Logistics Foundation Aircraft Mechanic and Aircraft Technology/Technician Airline/Commercial Pilot and Flight Crew
V480101	Drafting	All types of drafting including CAD/CAM	100304 140102 110803 151301 151302 151303 151304 151305 151306	Animation, Interactive Technology, Video Graphics and Special Effects Pre-Engineering Technologies Video Game Design/Digital Computer Application for Game Design Drafting and Design Technology General CAD/CADD Drafting and Design Technology High-Performance Green Building Architectural Drafting and Design Civil Drafting and Civil Engineering CAD/CAM Electrical/Electronics Drafting CAD/CADD Mechanical Drafting and CAD/CADD
V480500	Precision Metal Worker	Welding and metal work	470495 480000 480503 480506 480508 480511	Computer Integrated Manufacturing Precision Production Trades Foundations Machine Shop Technology Sheet Metal Technology/Technician Welding Technology/Welder Metal Fabricator

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V490100	Aviation Occupations	Aircraft pilot, flight crew	490102	Airline/Commercial Pilot and Flight Crew
V490300	Water Transportation/Worker	Any aspect of the water transportation industry including, Marine Science, boat building and maintenance	460290 470601 470616 490309	Marine Carpentry/Boat Building Transportation, Distribution and Logistics Foundation Marine Maintenance and Ship Repair Technology /Technician Merchant Marine Officer/Crew
V500400	Commercial Design/Applied Art	Occupational experience in commercial art and wearable art. Creating, producing, and selling products including glass, metal, clay, textiles, wood, polymers, mixed media, etc.	500499 500402 500713 500797	Design and Commercial Art Foundations Graphic Design/Commercial and Advertising Art Wearable Metal and Jewelry Design Technology/Technician Professional Production Art Technology/Foundations
V500502	Stage Design Technician	All aspects of stage production including set design and sound systems	469998 500502 500502	Pre-Apprenticeship Skills for the Trades Technical Theater/Theater Design and Technology Costume Design

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V600091	Diversified Occupations	Any occupational experience other than teaching	320107	Career Choices
V600092	Career Choices	Any occupational experience other than teaching	320107	Career Choices
V600096	Work-Based Learning Coordinator	No additional occupational experience required	018888 038888 098888 108888 118888 128888 138888 148888 158888 168888 198888 218888 268888 288888 318888 438888 468888 478888 488888 498888 508888 518888 528888	Agriculture Cooperative Worksite Experience Natural Resources and Conservation Cooperative Worksite Experience Communications/Journalism Cooperative Worksite Experience Communication Technologies Cooperative Worksite Experience Computer and Information Science and Support Services Cooperative Worksite Experience Personal and Culinary Services Cooperative Worksite Experience Education Cooperative Worksite Experience Engineering Cooperative Worksite Experience Engineering Technologies Cooperative Worksite Experience Linguistics Cooperative Worksite Experience Family and Consumer Sciences Cooperative Worksite Experience Technology Education Cooperative Worksite Experience Biology & Biomedical Sciences Cooperative Worksite Experience Government and Public Administration Cooperative Worksite Hospitality, Tourism, and Recreation Cooperative Worksite Security and Protective Service Cooperative Worksite Experience Construction Trades Cooperative Worksite Experience Mechanic and Repair Technologies Cooperative Worksite Experience Precision Production Cooperative Worksite Experience Transportation and Material Moving Cooperative Worksite Experience Visual and Performing Arts Cooperative Worksite Experience Health Sciences Careers Cooperative Worksite Experience Business & Marketing Education Cooperative Worksite Experience
V600097	Worksite Learning Coordinator	No additional occupational experience required	See codes above	

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Randy I. Dorn • Old Capitol Building • PO Box 47200 • Olympia WA 98504-7200 • <http://www.k12.wa.us>

2011-12 School Year

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