

Essential Sector	Program Type	CIP		CIP Title
		Code 4	Code 6	
Health Care/Public Health	Funeral Service and Mortuary Science.	1203	120302	Funeral Direction/Service.
Health Care/Public Health	Language Interpretation and Translation.	1616	161603	Language Interpretation and Translation.
Health Care/Public Health	Human Services - Behavioral and Social Services	4400	440000	Human Services, General.
Health Care/Public Health	Building/Construction Finishing, Management, Inspection, & Sanitation	4604	460401	Building/Property Maintenance and Management.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510801	Medical/Clinical Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510802	Clinical/Medical Laboratory Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510803	Occupational Therapist Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510805	Pharmacy Technician/Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510806	Physical Therapy Technician/Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510809	Anesthesiologist Assistant.
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510810	Emergency Care Attendant (EMT Ambulance).
Health Care/Public Health	Allied Health and Medical Assisting Services.	5108	510812	Respiratory Therapy Technician/Assistant.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510901	Cardiovascular Technology/Technologist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510902	Electrocardiograph Technology/Technician.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510903	Electroneurodiagnostic/Electroencephalographic Technology/Technologist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510904	Emergency Medical Technology/Technician (EMT Paramedic).
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510905	Nuclear Medical Technology/Technologist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510907	Medical Radiologic Technology/Science - Radiation Therapist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510909	Surgical Technology/Technologist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510911	Radiologic Technology/Science - Radiographer.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510915	Cardiopulmonary Technology/Technologist.
Health Care/Public Health	Allied Health Diagnostic, Intervention, and Treatment Professions.	5109	510916	Radiation Protection/Health Physics Technician.
Health Care/Public Health	Clinical/Medical Laboratory Science and Allied Professions.	5110	511004	Clinical/Medical Laboratory Technician.
Health Care/Public Health	Clinical/Medical Laboratory Science and Allied Professions.	5110	511008	Histologic Technician.
Health Care/Public Health	Clinical/Medical Laboratory Science and Allied Professions.	5110	511009	Phlebotomy Technician/Phlebotomist.
Health Care/Public Health	Clinical/Medical Laboratory Science and Allied Professions.	5110	511011	Renal/Dialysis Technologist/Technician.
Health Care/Public Health	Clinical/Medical Laboratory Science and Allied Professions.	5110	511012	Sterile Processing Technology/Technician.
Health Care/Public Health	Mental and Social Health Services and Allied Professions.	5115	511501	Substance Abuse/Addiction Counseling.
Health Care/Public Health	Mental and Social Health Services and Allied Professions.	5115	511502	Psychiatric/Mental Health Services Technician.
Health Care/Public Health	Mental and Social Health Services and Allied Professions.	5115	511504	Community Health Services/Liaison/Counseling.
Health Care/Public Health	Mental and Social Health Services and Allied Professions.	5115	511508	Mental Health Counseling/Counselor.
Health Care/Public Health	Health Aides/Attendants/Orderlies.	5126	512602	Home Health Aide/Home Attendant.
Emergency Services	Criminal Justice and Corrections.	4301	430102	Corrections.
Emergency Services	Criminal Justice and Corrections.	4301	430103	Criminal Justice/Law Enforcement Administration.
Emergency Services	Criminal Justice and Corrections.	4301	430107	Criminal Justice/Police Science
Emergency Services	Criminal Justice and Corrections.	4301	430109	Security and Loss Prevention Services.
Emergency Services	Fire Protection.	4302	430203	Fire Science/Fire-fighting.
Emergency Services	Fire Protection.	4302	430204	Fire Systems Technology.

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Emergency Services	Homeland Security.	4303	430302	Crisis/Emergency/Disaster Management.
Emergency Services	Security and Protective Services.	4399	439901	Public Safety Communications
Food & Agriculture	Agricultural Mechanization.	1020	10201	Agricultural Mechanization, General.
Food & Agriculture	Agricultural Mechanization.	1020	10204	Agricultural Power Machinery Operation.
Food & Agriculture	Agricultural Production Operations.	1030	10301	Agricultural Production Operations, General.
Food & Agriculture	Agricultural Production Operations.	1030	10302	Animal/Livestock Husbandry and Production.
Food & Agriculture	Agricultural Production Operations.	1030	10304	Crop Production.
Food & Agriculture	Agricultural Production Operations.	1039	10394	Tree Fruit Production
Food & Agriculture	Agricultural and Food Products Processing.	1040	10401	Agricultural and Food Products Processing.
Food & Agriculture	Applied Horticulture and Horticultural Business Services.	1060	10601	Applied Horticulture/Horticulture Operations, General.
Food & Agriculture	Applied Horticulture and Horticultural Business Services.	1060	10604	Greenhouse Operations and Management.
Food & Agriculture	Applied Horticulture and Horticultural Business Services.	1060	10606	Plant Nursery Operations and Management.
Food & Agriculture	Culinary Arts and Related Services.	1205	120501	Baking and Pastry Arts/Baker/Pastry Chef.
Food & Agriculture	Culinary Arts and Related Services.	1205	120503	Culinary Arts/Chef Training.
Food & Agriculture	Culinary Arts and Related Services.	1205	120504	Restaurant, Culinary, and Catering Management/Manager.
Food & Agriculture	Culinary Arts and Related Services.	1205	120505	Food Preparation/Professional Cooking/Kitchen Assistant.
Food & Agriculture	Culinary Arts and Related Services.	1205	120506	Meat Cutting/Meat Cutter.
Food & Agriculture	Hospitality Administration/Management.	5209	520909	Hotel, Motel, and Restaurant Management.
Energy	Environmental Control Technologies/Technicians.	1505	150503	Energy Management and Systems Technology/Technician.
Energy	Physical Science Technologies/Technicians.	4103	410301	Chemical Technology/Technician.
Energy	Electrical and Power Transmission Installers.	4603	460301	Electrical and Power Transmission Installation/Installer, General.
Energy	Electrical and Power Transmission Installers.	4603	460302	Electrician.
Energy	Electrical and Power Transmission Installers.	4603	460303	Lineworker.
Energy	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician.	4702	470201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician.
Energy	Boilermaking/Boilermaker.	4808	480801	Boilermaking/Boilermaker.
Water & Wastewater	Environmental Control Technologies/Technicians.	1505	150506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.
Water & Wastewater	Physical Science Technologies/Technicians.	4103	410303	Chemical Process Technology.
Water & Wastewater	Plumbing and Related Water Supply Services.	4605	460502	Pipefitting/Pipefitter and Sprinkler Fitter.
Water & Wastewater	Plumbing and Related Water Supply Services.	4605	460503	Plumbing Technology/Plumber.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470603	Autobody/Collision and Repair Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470604	Automobile/Automotive Mechanics Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470605	Diesel Mechanics Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470606	Small Engine Mechanics and Repair Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470607	Airframe Mechanics and Aircraft Maintenance Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470608	Aircraft Powerplant Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470609	Avionics Maintenance Technology/Technician.
Transportation & Logistics	Vehicle Maintenance and Repair Technologies.	4706	470616	Marine Maintenance/Fitter and Ship Repair Technology/Technician.

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Transportation & Logistics	Air Transportation.	4901	490102	Airline/Commercial/Professional Pilot and Flight Crew.
Transportation & Logistics	Air Transportation.	4901	490105	Air Traffic Controller.
Transportation & Logistics	Ground Transportation.	4902	490202	Construction/Heavy Equipment/Earthmoving Equipment Operation.
Transportation & Logistics	Ground Transportation.	4902	490205	Truck and Bus Driver/Commercial Vehicle Operator and Instructor.
Transportation & Logistics	Ground Transportation.	4902	490207	Flagging and Traffic Control.
Transportation & Logistics	Ground Transportation.	4902	490209	Forklift Operation/Operator
Transportation & Logistics	Marine Transportation.	4903	490309	Marine Science/Merchant Marine Officer.
Transportation & Logistics	Business Operations Support and Assistant Services.	5204	520409	Parts, Warehousing, and Inventory Management Operations.
Childcare/Education	Teacher Education and Professional Development, Specific Levels and Methods.	1312	131210	Early Childhood Education and Teaching.
Critical Manufacturing	Electrical Engineering Technologies/Technicians.	1503	150303	Electrical, Electronic and Communications Engineering Technology/Technician.
Critical Manufacturing	Electrical Engineering Technologies/Technicians.	1503	150304	Laser and Optical Technology/Technician.
Critical Manufacturing	Electrical Engineering Technologies/Technicians.	1503	150305	Telecommunications Technology/Technician.
Critical Manufacturing	Electromechanical Instrumentation and Maintenance Technologies/Technicians.	1504	150401	Biomedical Technology/Technician.
Critical Manufacturing	Electromechanical Instrumentation and Maintenance Technologies/Technicians.	1504	150403	Electromechanical Technology/Electromechanical Engineering Technology.
Critical Manufacturing	Electromechanical Instrumentation and Maintenance Technologies/Technicians.	1504	150404	Instrumentation Technology/Technician.
Critical Manufacturing	Electromechanical Instrumentation and Maintenance Technologies/Technicians.	1504	150405	Robotics Technology/Technician.
Critical Manufacturing	Electromechanical Instrumentation and Maintenance Technologies/Technicians.	1504	150406	Automation Engineer Technology/Technician.
Critical Manufacturing	Industrial Production Technologies/Technicians.	1506	150607	Plastics and Polymer Engineering Technology/Technician.
Critical Manufacturing	Industrial Production Technologies/Technicians.	1506	150612	Industrial Technology/Technician.
Critical Manufacturing	Industrial Production Technologies/Technicians.	1506	150613	Manufacturing Engineering Technology/Technician.
Critical Manufacturing	Quality Control and Safety Technologies/Technicians.	1507	150701	Occupational Safety and Health Technology/Technician.
Critical Manufacturing	Quality Control and Safety Technologies/Technicians.	1507	150702	Quality Control Technology/Technician.
Critical Manufacturing	Quality Control and Safety Technologies/Technicians.	1507	150703	Industrial Safety Technology/Technician.
Critical Manufacturing	Mechanical Engineering Related Technologies/Technicians.	1508	150805	Mechanical Engineering/Mechanical Technology/Technician.
Critical Manufacturing	Engineering-Related Technologies.	1511	151103	Hydraulics and Fluid Power Technology/Technician.
Critical Manufacturing	Electrical/Electronics Maintenance and Repair Technology.	4701	470101	Electrical/Electronics Equipment Installation and Repair, General.
Critical Manufacturing	Electrical/Electronics Maintenance and Repair Technology.	4701	470105	Industrial Electronics Technology/Technician.
Critical Manufacturing	Electrical/Electronics Maintenance and Repair Technology.	4701	470106	Appliance Installation and Repair Technology/Technician.
Critical Manufacturing	Heavy/Industrial Equipment Maintenance Technologies.	4703	470302	Heavy Equipment Maintenance Technology/Technician.
Critical Manufacturing	Heavy/Industrial Equipment Maintenance Technologies.	4703	470303	Industrial Mechanics and Maintenance Technology.
Critical Manufacturing	Precision Metal Working.	4805	480501	Machine Tool Technology/Machinist.
Critical Manufacturing	Precision Metal Working.	4805	480503	Machine Shop Technology/Assistant.

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Critical Manufacturing	Precision Metal Working.	4805	480506	Sheet Metal Technology/Sheetworking.
Critical Manufacturing	Precision Metal Working.	4805	480507	Tool and Die Technology/Technician.
Critical Manufacturing	Precision Metal Working.	4805	480508	Welding Technology/Welder.
Critical Manufacturing	Precision Metal Working.	4805	480509	Ironworking/Ironworker.
Critical Manufacturing	Precision Metal Working.	4805	480510	Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist.
Critical Manufacturing	Precision Metal Working.	4805	480511	Metal Fabricator.
Hazardous Materials	Nuclear Engineering Technologies/Technicians.	1514	151401	Nuclear Engineering Technology/Technician.
Other_Construction	Construction Trades	4601	460101	Mason/Masonry.
Other_Construction	Construction Trades	4602	460201	Carpentry/Carpenter.
Other_Construction	Construction Trades	4604	460402	Concrete Finishing/Concrete Finisher.
Other_Construction	Construction Trades	4604	460403	Building/Home/Construction Inspection/Inspector.
Other_Construction	Construction Trades	4604	460404	Drywall Installation/Drywaller.
Other_Construction	Construction Trades	4604	460406	Glazier.
Other_Construction	Construction Trades	4604	460408	Painting/Painter and Wall Coverer.
Other_Construction	Construction Trades	4604	460410	Roofer.
Other_Construction	Construction Trades	4604	460413	Carpet, Floor, and Tile Worker.
Other_Construction	Construction Trades	4604	460414	Insulator.
Other_Construction	Construction Trades	4604	460415	Building Construction Technology.
Other_Construction	Construction Trades	4604	460499	Building/Construction Finishing, Management, and Inspection, Other.
Other_Construction	Construction Trades	4807	480703	Cabinetmaking and Millwork.