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Appendix
Education Asset
Inventory: Industry
Definitions



Competency Key – Advanced Manufacturing

Examples	
Business & Support Services	Purchasing and Procurement
Engineering	Architectural/Construction Engineering Bio/Biomedical Engineering, Biotechnology Chemical Engineering Civil Engineering Electrical Engineering Engineering Sciences Engineering, General Environmental, Energy, and Systems Engineering Industrial/Manufacturing Engineering Mechanical Engineering Computer Hardware Engineering Computer Software Engineering
Engineering Technology	Computer Engineering Technology Architectural/Construction Engineering Civil Engineering Technologies/Technicians Drafting and Design Electrical Engineering Technology Engineering Technology, General Environmental Control Technology Industrial Production Technology Mechanical Engineering Technology Industrial Production Technology



Competency Key – Advanced Manufacturing

Examples	
Mechanic & Repair Technologies	Heavy/Industrial Equipment Maintenance Technology Autobody/Collision and Repair Technology Automotive Mechanics Technology Engine Machinist Medium/Heavy Vehicle and Truck Technology
Precision Production and Skilled Trades	Forklift Training CNC Machining Sheet Metal Technology/Sheet Working Electrician Welding HVAC
Mathematics, Statistics, and Economics	Applied Mathematics
Aerospace	Aircraft Powerplant Technology Aerospace Science Aviation Finance Aerospace Physiology Aviation Business Administration Aerospace, Aeronautical and Astronautical Engineering



Competency Key – Financial Services

Examples	
Business & Support Services	Business Administration and Management, General Customer Service, Call Center Management
Accounting	Accounting and Business Management Accounting and Finance Bookkeeping
Finance	Finance, General Banking and Financial Support Services Financial Planning Credit Management Investments and Securities Finance Management Personal Finance Insurance Mortgages and Housing Finance Budget Analyst

Competency Key – Adv. Transportation & Logistics

Examples	
Business & Support Services	General Office Occupations and Clerical Services Logistics and Supply Chain Management Transportation/Mobility Management Purchasing and Procurement Avionics Maintenance Technology Sales Business Operations
Transportation	Ground Transportation (CDL – Commercial Drivers License, Truck Driving) Marine Transportation Rail Transportation
Mechanic & Repair Technologies	Diesel Mechanics Technology Engine Machinist Medium/Heavy Vehicle and Truck Technology Industrial Production Technicians Industrial Machinery Maintenance Small Engine Mechanics and Repair Technology Diesel Mechanics Technology Vehicle Maintenance and Repair Technology Aviation Maintenance Aviation Airframe Mechanics

Competency Key – Health & Biomedical

Examples	
Allied Health, Medical, Laboratory & Diagnostic Support	Cardiovascular Technology Clinical Technician Dental Assisting/Hygiene Diagnostic Medical Sonography Dietetic/Nutrition Technician/Assistant EMT/Paramedic Medical/Clinical Assistant MRI Technology Pharmacy Technician Physician Assistant Phlebotomy Technician Radiologic Technology/Science Respiratory Therapy Sterile Processing Technology Surgical Technology
Gerontology (Non-Nursing)	Gerontology (Non-Nursing)
Health, General	Health and Wellness, General Health Sciences, General
Health Technology	Biomathematics and Bioinformatics Health Information Technology

Competency Key – Health & Biomedical

Examples	
Biological and Biomedical Sciences	Biochemistry and Molecular Biology Biology Sciences, General (e.g. Biology) Cell/Cellular Biology Genetics Microbiological and Immunology Neurobiology and Neurosciences Physiology, Pathology and Related Sciences
Health and Medical Administrative Services	Bioethics/Medical Ethics Health Administration/Management Medical Coding and Billing Medical Office Support Medical Transcription Public Health and Public Health Education
Mental and Social Health	Clinical/Medical Social Work Marriage and Family Counseling Mental Health Counseling Substance Abuse/Addiction Clinical and Applied Psychology

Competency Key – Health & Biomedical

Examples	
Nursing	Family Practice Nursing Geriatric Nursing Licensed/Vocational Practical Nursing Nursing Administration Nursing Assistance/Aid Nursing Education Nursing, general (incl. RN, BSN, ASN) Nurse Practitioner
Advanced Health Professionals (including Preparatory Programs)	Nutritionist/Dietician Dentistry (and other Oral Science) Physician Physician's Assistant Pharmacist Physical/Occupational Therapy (and other Rehab Services) Speech-Language Pathology (and other Communications Disorders)

Competency Key – IT & Innovation

Examples	
Business & Support Services	Technology Management Management Information Systems Consulting, Business Management Analyst, Management Science Market Research Sales Business Operations
Computer & Information Sciences, General	Computer Science Computer Support Specialist Information Science Information Technology
Computer Programming, Software & Web Design	Computer Programming, Specific Applications (e.g. JAVA) Computer Programming/Programmer, General Web Page and Digital Design
Computer Security & Forensics	Cyber/Computer Forensics and Counterterrorism Systems Security/Information Assurance
Computer Systems & Networking	Computer Systems Analysis Computer Systems Networking Network and System Administration

Competency Key – IT & Innovation

Examples	
Digital Design & Visual Communications	Digital Arts Game and Interactive Media Design Graphic Design
Mathematics, Statistics & Economics	Applied Mathematics Applied Economics Data Science Statistics Database Management Data Warehousing and Administration
Engineering	Computer Hardware Engineering Computer Software Engineering
Engineering Technology	Computer Engineering Technology
Health Technology	Biomathematics and Bioinformatics Health Information Technology