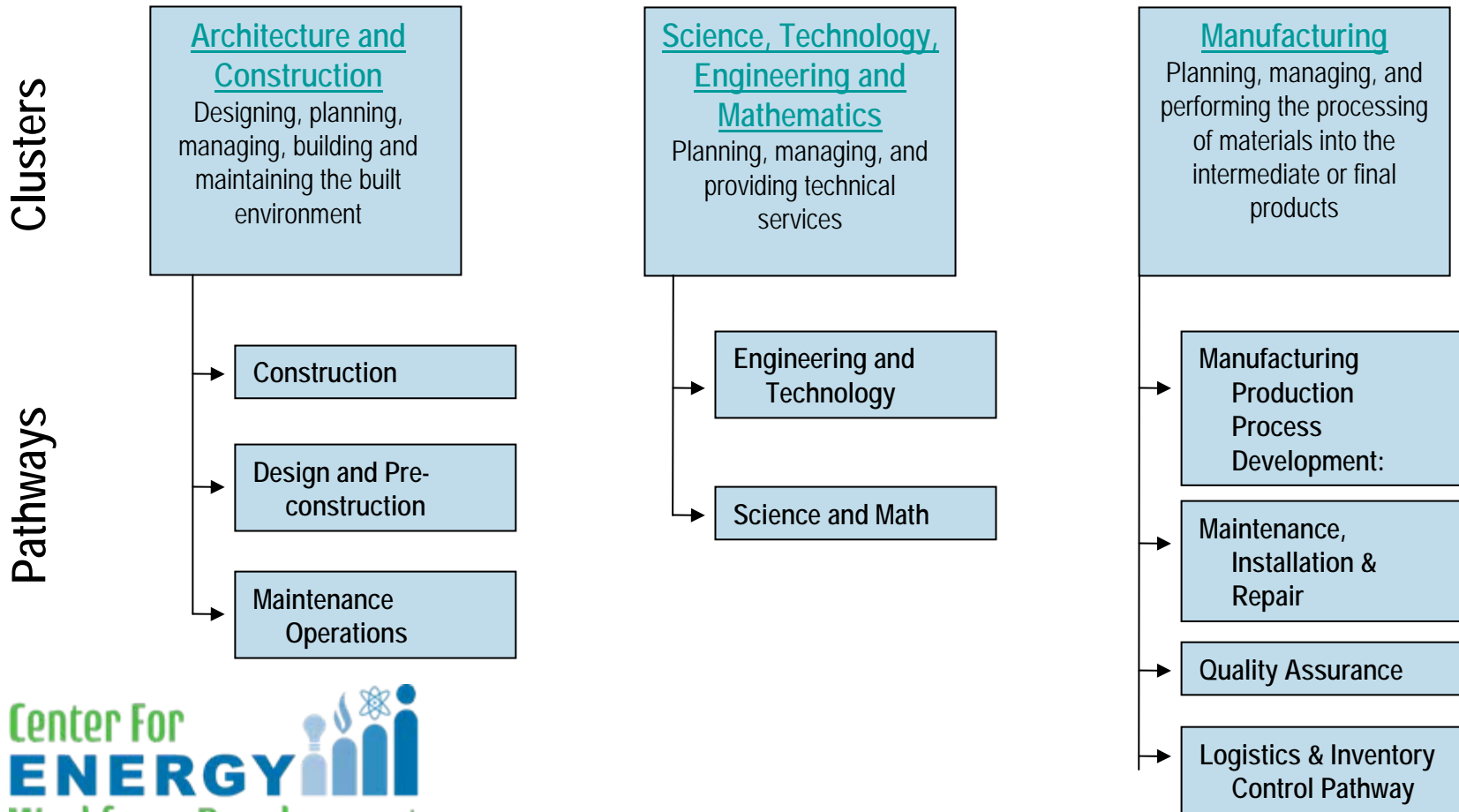


Energy Career Cluster Map

Career Clusters

A grouping of occupations and broad industries based on commonalities. The sixteen career clusters provide an organizing tool for schools, small learning communities, academies and magnet schools. Energy is not one of the 16 Career Clusters. The Career Cluster Map shows where energy occupations are found in the cluster framework.



Energy Career Cluster Map

Clusters

Pathways

Architecture and Construction

- Construction:
- Boilermaker
 - Carpenter
 - Control & Valve Installers
 - Electrician
 - Electrical and electronics repairers
 - Insulation Worker
 - Iron / Metalworker
 - Industrial machinery mechanics
 - Lineworker
 - Machinists
 - Millwright
 - Pipefitter
 - Pipeline Installer
 - Pipelayer
 - Welder

- Design and Pre-construction:
- Engineer - Civil, Chemical, Electrical, Nuclear, Mechanical, Power Systems, Energy Transmission, Environmental, Industrial
 - Electrical & Electronics Engineering Technician
 - Mechanical Technician
 - Machinists

- Maintenance Operations:
- Boilermaker
 - Carpenter
 - Control & Valve Installer
 - Corrosion Technician
 - Electrician
 - Heavy Equipment Operator
 - Industrial Machinery Mechanic
 - Insulation Worker
 - Iron / Metalworker
 - Lineworker
 - Millwright
 - Pipefitter / Pipelayer
 - Pipeline Installer
 - Substation Mechanic
 - Utility Metering & Regulation Technician
 - Relay Technician
 - Welder

Science, Technology, Engineering and Mathematics

- Engineering and Technology:
- Electrical Engineer
 - Power Systems Engineer
 - Mechanical Engineer
 - Nuclear Engineer
 - Chemical Engineer
 - Civil engineer
 - Energy Transmission Engineer
 - Procurement Engineer
 - Environmental Engineer
 - Industrial Engineer

- Science and Math:
- Nuclear Chemist
 - Nuclear Technician
 - Materials Scientist
 - Radiation Protection Technician
 - Health Physicist
 - Chemistry Technician

- Logistics & Inventory Control
- Heavy Materials Technician

- Quality Assurance
- Quality Control Tech
 - Quality Assurance Tech

Manufacturing

- Manufacturing Production Process Development:
- Electrical & Electronics Technician
 - Engineering & related Technician
 - Power Plant Operator
 - Nuclear Reactor Operator
 - Gas Processing and Distribution Plant Operator
 - Power Distributor & Dispatcher
 - Gas Controller & Dispatcher
 - Auxiliary. Equip. Operator

- Maintenance, Installation & Repair
- Boilermaker
 - Control & Valve Installers
 - Corrosion Technician
 - Pipefitter / Pipelayer
 - Pipeline Installer
 - Instrument & Control Tech
 - Electrical & Instrumentation Tech
 - Elec.. & Electronics Repairer
 - Elec. Equipment Installer / Repairer
 - Industrial Machinery Mechanic
 - Millwright
 - Welder