



# STEM Equity Pipeline

"Expanding Options for Women and Girls in Science, Technology, Engineering and Math"

## STEM-Related Career Clusters

Today's global economy has presented great challenges for the U.S. In order to compete effectively in the current global economy the U.S. must bring together industry leaders and educators to increase the population's skills in STEM (Science, Technology, Engineering and Math). The need for qualified individuals in scientific and engineering-related fields has far outgrown the needs of the general workforce.

### Science, Technology, Engineering, and Mathematics (STEM)

- Engineering and Technology
- Science and Mathematics

### Architecture & Construction

- Design/Pre-Construction
- Construction
- Maintenance/Operations

### Agriculture, Food, and Natural Resources

- Food Products and Processing Systems
- Plant Systems
- Animal Systems
- Power, Structural & Technical Systems
- Natural Resources Systems
- Environmental Service Systems
- Agribusiness Systems

### Health Science

- Therapeutic Services
- Diagnostic Services
- Health Informatics
- Support Services
- Biotechnology Research and Development

### Information Technology

- Network Systems
- Information Support and Services
- Interactive Media
- Programming and Software Development

### Manufacturing

- Production
- Manufacturing Production
- Process Development
- Maintenance, Installation and Repair
- Quality Assurance
- Logistics and Inventory Control
- Health, Safety and Environmental Assurance

### Transportation, Distribution, and Logistics

- Transportation Operations
- Logistics Planning and Management Services
- Warehousing and Distribution
- Center Operations
- Facility and Mobile Equipment Maintenance
- Transportation Systems/Infrastructure
- Planning, Management and Regulations
- Health, Safety and Environmental Management
- Sales and Service



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[www.stemequitypipeline.org](http://www.stemequitypipeline.org)