

STEM EQUITY PIPELINE™



NAPE
National Alliance for
Partnerships in Equity
STEM Equity Pipeline

STEM-Related Career Clusters

Today's global economy has presented great challenges for the United States. To compete effectively in the current global economy, the United States must bring together industry leaders and educators to increase the population's skills in STEM (science, technology, engineering, and mathematics). 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

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
Programming and Software Development
Web and Digital Communications

Manufacturing

Production
Manufacturing Production
Process Development
Maintenance, Installation and Repair
Quality Assurance

Transportation, Distribution, and Logistics

Transportation Operations
Logistics Planning and Management Services
Facility and Mobile Equipment Maintenance
Transportation Systems/Infrastructure
Planning, Management and Regulations
Sales and Service



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