

Industry Credentials, Concentration Sequences, and Career Clusters

Introduction to Technology and Engineering (8481)

Career Clusters, Career Pathways, and Occupations:

- Architecture and Construction
 - Construction
 - Electrician
- Arts, A/V Technology and Communications
 - Audio and Video Technology and Film
 - Graphic Designer
 - Multimedia Artist, Animator
 - Journalism and Broadcasting
 - Broadcast Technician
 - Printing Technology
 - Desktop Publisher
 - Visual Arts
 - Commercial Photographer
 - Multimedia Artist, Animator
- Government and Public Administration
 - Planning
 - Urban and Regional Planner
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Aerospace Engineer
 - Aerospace Engineering Technician
 - Agricultural Engineer
 - Architect
 - Assembler
 - Biomedical Engineer
 - Chemical Engineer
 - Civil Engineer

- Civil Engineering Technician
- Commercial and Industrial Designer
- Computer Hardware Engineer
- Computer Programmer
- Computer Software Engineer
- Electrical Engineer
- Electrical Engineering Technician
- Electro-Mechanical Technician
- Electronics Engineering Technician
- Engineer
- Engineering Manager
- Engineering Technician
- Environmental Engineer
- Human Factors Engineer
- Industrial Engineer
- Industrial Engineering Technician
- Landscape Architect
- Machine Setter, Operator
- Manufacturing Systems Engineer
- Marine Engineer
- Materials Engineer
- Mechanical Drafter
- Mechanical Engineer
- Mechanical Engineering Technician
- Network Systems and Data Communication Analyst
- Network and Computer Systems Administrator
- Nuclear Engineer
- Petroleum Engineer
- Power Systems Engineer
- Production, Planning, Expediting Clerk
- Project Manager
- Quality Engineer
- Quality Technician
- Statistician
- Stockroom, Warehouse, or Storage Yard Stock Clerk
- Systems Analyst
- Technical Writer
- Telecommunications Specialist

- Transportation Manager
- Science and Mathematics
 - Animal Nutritionist
 - Animal Scientist
 - Atmospheric Scientist
 - Biologist
 - Botanist
 - Ecologist
 - Economist
 - Environmental Scientist
 - Geoscientist
 - Hydrologist
 - Materials Scientist
 - Oceanographer
 - Plant Biologist
 - Plant Pathologist
 - Research Chemist
 - Secondary School Teacher
 - Technical Writer
 - Toxicologist
 - Veterinarian
 - Veterinary Assistant
 - Plant Breeder/Geneticist