

# 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