



CareerClusters®  
PATHWAYS TO COLLEGE & CAREER READINESS

# Science, Technology, Engineering & Mathematics

## Engineering and Technology

For a future in this pathway, students should study and apply principles from advanced mathematics, life sciences, physical science, earth and space science and technology.

- Aerospace Engineers
- Agricultural Engineers
- Architectural Drafters
- Chemical Engineers
- Civil Drafters
- Computer Hardware Engineers
- Electrical Drafters
- Electrical Engineers
- Electronic Drafters
- Materials Engineers
- Mechanical Engineers
- Mining and Geological Engineers, Including Mining Safety Engineers
- Petroleum Engineers
- Product Safety Engineers
- Surveying and Mapping Technicians

## Science and Mathematics

Those who choose careers in this pathway apply essential mathematics and science content and skills in a real-world context. Science and mathematics occupations include those in physical, environmental and human endeavors.

- Agricultural Technicians
- Astronomers
- Atmospheric and Space Scientists
- Biochemists
- Chemists
- Conservation Scientists
- Food Science Technicians
- Geographers
- Geologists
- Hydrologists
- Mathematicians
- Microbiologists
- Nuclear Monitoring Technicians
- Physicists
- Statisticians



- What education do I need for this occupation?
- Where can I get the necessary education?
- What are the future employment opportunities?
- What wages are typical?

Visit [www.RUReady.ND.gov](http://www.RUReady.ND.gov) to learn more about these and other occupations.



**North Dakota Department of Career and Technical Education**  
600 East Boulevard Avenue - State Capitol, 15th Floor  
Bismarck, ND 58505-0610 Phone (701) 328-3180  
[www.cte.nd.gov](http://www.cte.nd.gov) E-mail: [cte@nd.gov](mailto:cte@nd.gov)