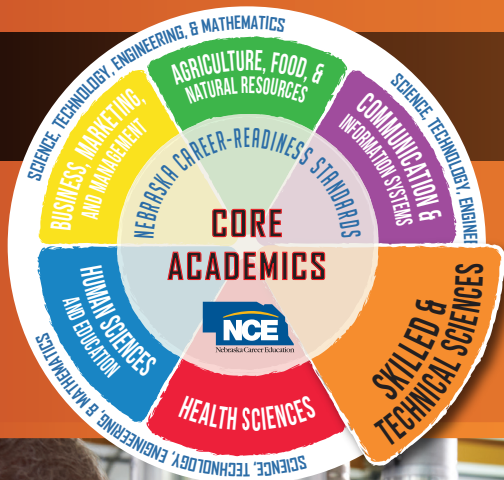




## Energy & Engineering

This career cluster prepares for careers in planning, managing and providing scientific research and development, professional and technical services including laboratory and testing services and problem solving for the challenging and ever-changing fields of energy and engineering.



### TYPICAL HIGH SCHOOL CLASSES

Computer Aided Drafting  
Engineering Design  
Computer Integrated Manufacturing  
Energy Exploration  
Digital Electronics  
Robotics  
Energy Generation and Distribution

HIGH  
WAGE



HIGH  
DEMAND



HIGH  
SKILL



H3  
JOBS

### ENERGY & ENGINEERING H3 OCCUPATIONS

	Average Entry Wage
Industrial Engineers	\$57,816
Mechanical Engineers	\$57,257
Environmental Scientists and Specialists	\$41,031
Computer Hardware Engineers	\$63,963
Electrical Engineers	\$59,624
Chemists	\$39,585
Conservation Scientists	\$41,097
Architectural and Engineering Managers	\$93,690
Life, Physical, and Social Science Technicians	\$42,564
Statisticians	\$37,492
Survey Researchers	\$19,985
Cartographers and Photogrammetrists	\$42,220

This H3 list based on projected highest number of openings in Nebraska through 2024.  
Source: Nebraska Department of Labor, Office of Labor Market Information.

### CAREER & TECHNICAL STUDENT ORGANIZATIONS

GET INVOLVED WITH  
THESE ORGANIZATIONS!



### VIRTUAL CAREER TOURS OF NEBRASKA BUSINESSES



Find more H3 jobs at: [h3.ne.gov](http://h3.ne.gov)

[www.necareertours.com](http://www.necareertours.com)

Education Pathways to begin your career	Certificate	Diploma	Associate Degree	Bachelor's Degree	Military
AUTOMATION ENGINEER TECHNOLOGY / TECHNICIAN			✓		✓
COMPUTER SCIENCES				✓	✓
ELECTRICAL CONSTRUCTION AND CONTROL			✓		✓
ENERGY GENERATION OPERATIONS			✓		✓
ELECTRICAL TECHNOLOGY	✓	✓	✓		✓
ENGINEERING; MECHANICAL, ELECTRICAL, CHEMICAL, ETC.				✓	✓
GEOLOGY AND EARTH SCIENCE				✓	✓
GIS / GEOGRAPHIC INFORMATION SYSTEMS TECHNICIAN	✓				✓
INDUSTRIAL ENGINEERING	✓		✓		✓
MATHEMATICS AND COMPUTER SCIENCE				✓	✓
MATH, SCIENCE AND INDUSTRIAL TECHNOLOGY TEACHER				✓	✓
MECHATRONICS	✓	✓	✓		✓
MECHATRONICS, ROBOTICS AND AUTOMATION ENGINEERING				✓	✓
POWERLINE CONSTRUCTION & MAINTENANCE TECHNOLOGY		✓	✓		✓
SCIENCE AND TECHNOLOGY				✓	✓
UTILITY LINE			✓		✓
WIND ENERGY TECHNOLOGY		✓	✓		✓

Advanced and professional degrees not included on this chart.

Check out all education and training options. Entry into these careers may begin with:

- Apprenticeships
- On-the-job training
- Attaining stackable credentials
- Entry-level employment

Entrepreneurship is a career choice!



Start your own business!



Energy and Engineering expects an average of **416 job openings** each year.

## EXPLORE MORE AT

For diplomas, certificates and associate degrees in most NE Community Colleges: [www.mygreatcareer.com](http://www.mygreatcareer.com)

For all types of pathways including professional degrees: [www.NebraskaCareerConnections.org](http://www.NebraskaCareerConnections.org) or [www.mynextmove.org](http://www.mynextmove.org)

For military careers: [www.careersinthemilitary.com](http://www.careersinthemilitary.com) or [www.todaysmilitary.com](http://www.todaysmilitary.com)

It is the policy of the Nebraska Department of Education not to discriminate on the basis of gender, disability, race, color, religion, marital status, age or national origin in its education programs, administration, policies, employment or other agency programs.

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