Manufacturing

This diverse career cluster prepares learners for careers in planning, managing, and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

HIGH WAGE + HIGH DEMAND + HIGH SKILL = H3 JOBS

MANUFACTURING H3 OCCUPATIONS	Average Entry Wage
Maintenance and Repair Workers, General	$25,513
Industrial Machinery Mechanics	$33,485
Machinists	$26,581
Welders, Cutters, Solderers, and Brazers	$28,551
Purchasing Agents *Except Wholesale, Retail, and Farm Products*	$41,494
Electrical and Electronics Engineering Technicians	$43,111
Industrial Engineering Technicians	$37,810
Electrical and Electronics Engineering Repairers, Commercial and Industrial Equipment	$43,111
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	$37,569

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

Find more H3 jobs at: **h3.ne.gov**

TYPICAL HIGH SCHOOL CLASSES

Intro to the Built Environment

Computer Aided Drafting

Computer Integrated Manufacturing

Electronics

Engineering Design

Manufacturing Woods / Metals / Plastics

Mechatronics

Welding

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Education Pathways	Certificate	Diploma	Associate Degree	Bachelor's Degree	Military
ADVANCED MANUFACTURING AND DESIGN	✓	✓	✓		
DIVERSIFIED MANUFACTURING TECHNOLOGY	✓	✓	✓		
ELECTRICAL TECHNOLOGY	✓	✓	✓		✓
ELECTROMECHANICAL TECHNOLOGY / MECHATRONICS ENGINEERING		✓	✓	✓	✓
ELECTRONIC SYSTEMS TECHNOLOGY			✓		✓
ENERGY GENERATION OPERATIONS			✓		✓
ENGINEERING				✓	✓
INDUSTRIAL TECHNOLOGY TEACHER				✓	
LOGISTICS AND MATERIAL MANAGEMENT			✓	✓	✓
MANUFACTURING ENGINEERING TECHNOLOGY			✓		
METALLURGICAL TECHNOLOGY/TECHNICIAN				✓	
NONDESTRUCTIVE TESTING TECHNOLOGY			✓		✓
OCCUPATIONAL SAFETY AND HEALTH			✓	✓	✓
PLASTICS AND POLYMER ENGINEERING				✓	
PRECISION MACHINING AND AUTOMATION TECHNOLOGY		✓	✓		✓
QUALITY CONTROL TECHNOLOGY	✓	✓	✓	✓	
ROBOTICS			✓	✓	
TEXTILE SCIENCE			✓		
UTILITY LINE			✓		
WELDING TECHNOLOGY	✓	✓	✓		✓
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!

Nebraska is expecting an increase of 8,531 jobs in this Cluster between 2014 and 2024.

EXPLORE MORE AT

For diplomas, certificates and associate degrees in most NE Community Colleges: www.mygreatcareer.com

For all types of pathways including professional degrees: www.NebraskaCareerConnections.org or www.mynextmove.org

For military careers: www.careersinthemilitary.com or www.todaysmilitary.com

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