**Architecture and Construction**

This Career Cluster prepares for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Architecture & Construction H3 Occupations** | **Average Entry Wage** |
| Carpenters | $25,693 |
| Electricians | $30,386 |
| Plumbers, Pipefitters, and Steamfitters | $36,012 |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers | $32,472 |
| Construction Managers | $54,886 |
| Electrical Power-Line Installers and Repairers | $39,663 |
| Civil Engineers | $56,331 |
| Cost Estimators | $36,641 |
| Brickmasons and Blockmasons | $41,349 |
| Sheet Metal Workers | $29,302 |
| Architects | $50,904 |
| Structural Iron and Steel Workers | $28,929 |
| Civil Engineering Technicians | $30,431 |
| Reinforcing Iron and Rebar Workers | $25,549 |
| Interior Designers | $26,957 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Architecture and Construction Intro into the Built Environment Engineering Concepts Computer Aided Drafting Construction Technology Electricity Housing and Interior Design Structural Systems Engineering Design

**Career & Technical Student Organizations**

Get Involved With These Organizations!

**Virtual Career Tours**

Of Nebraska Businesses

www.necareertours.com

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| Architecture |  |  |  | ✔ | ✔ |
| Architecture Engineering Technology |  |  | ✔ | ✔ | ✔ |
| Building Construction Technology / Management | ✔ | ✔ | ✔ | ✔ | ✔ |
| Drafting |  |  | ✔ |  | ✔ |
| Electrical Construction & Control |  |  | ✔ |  | ✔ |
| Electrical Engineering |  |  |  | ✔ | ✔ |
| Electrical Technology |  | ✔ |  |  | ✔ |
| GIS / Geographic Information Systems Technician | ✔ |  |  |  | ✔ |
| Heating, Air Conditioning, And Refrigeration | ✔ | ✔ | ✔ |  | ✔ |
| Skilled & Technical Services Teacher |  |  |  | ✔ |  |
| Interior Design |  |  | ✔ | ✔ |  |
| Land Surveying / Civil Engineer Technology |  |  | ✔ |  | ✔ |
| Mechatronics | ✔ | ✔ | ✔ | ✔ | ✔ |
| Plumbing Technology |  | ✔ | ✔ |  | ✔ |
| Powerline Construction & Maintenance Technology |  | ✔ | ✔ |  | ✔ |
| Utility Lineworker |  |  | ✔ |  | ✔ |

Nebraska is expecting an increase of 9,252 jobs in this Cluster between 2014 and 2024.

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

**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.NebraskaCareerConnec ons.org or www.mynextmove.org

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

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