

More South Dakota Hot Careers

Beyond the
Top **30**



High Demand & High Wage Career

Career Cluster:
Information Technology

Network & Computer Systems Administrators

Standard Occupational Codes 15-1244

What They Do

Organize, install and support an organization's computer systems, including local area networks (LANs), wide area networks (WANs), network segments, intranets and other data communication systems. They monitor networks to ensure availability to all system users and may perform necessary maintenance to support network availability.

Is This For You?

Work Interests are described in the following categories (compatible with Holland's Model). People who tend to succeed in this career are:

Investigative (Thinkers) — Interested in science and logic. They like to analyze, evaluate and solve problems, and enjoy learning and understanding the causes of events.

Realistic (Doers) — Prefer to work with objects, things, machines, tools, plants or animals. They have mechanical ability, enjoy being outdoors and working with their hands.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

Working Conditions — Offer job security and good working conditions.

Support — Offer supportive management that stands behind employees.

Achievement — Results oriented, allow use of strongest abilities and provide feeling of accomplishment.

Abilities reflect a person's aptitude to acquire skills and knowledge. The following abilities are important for success in the career:

- Problem Sensitivity
- Information Ordering
- Written Comprehension
- Deductive Reasoning
- Inductive Reasoning
- Oral Expression
- Near Vision
- Oral Comprehension

Basic Skills You Need

- Critical Thinking
- Judgment and Decision Making
- Reading Comprehension
- Systems Analysis
- Active Listening
- Complex Problem Solving
- Monitoring
- Systems Evaluation
- Troubleshooting
- Programming

Education & Training

A bachelor's degree in information system administration or related computer science program is recommended for network and computer systems administrator positions. Some employers may require only a postsecondary certificate or an associate degree, but others may prefer a master's degree.

South Dakota Employment & Wages

2020 Workers	2030 Workers	Numeric Change	Percent Change	Average Annual Demand for Workers	Annual Median Wage	Annual Average Wage
1,937	2,118	181	9.3%	148	\$70,370	\$73,220

Additional References

Labor Market Information Center

www.dlr.sd.gov/lmic

Career OneStop

www.careeronestop.org

O*Net Online

www.onetonline.org

mySkills myFuture

<https://www.myskillsmyfuture.org/>

Auxiliary aids and services are available upon request to individuals with disabilities. U.S. DOL funded. For details, see dlr.sd.gov/lmic/eta_grant.aspx.

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Recommended Levels* for the National Career Readiness Certificate

Applied Math	5
Workplace Documents	5
Graphic Literacy	4

*Using the median skill level.

Where They Work

The South Dakota industries which employ the largest number of network and computer systems administrators are:

- Professional, Scientific and Technical Services
- Telecommunications
- Educational Services
- Credit Intermediation and Related Activities
- Management of Companies and Enterprises

Provided By

Labor Market Information Center
South Dakota Dept. of Labor and Regulation
605.626.2314

Visit dlr.sd.gov/hotcareers to obtain the most recent workforce data and trends and more resources, including this document. Also available are explanations of the terms used in this occupational profile.



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