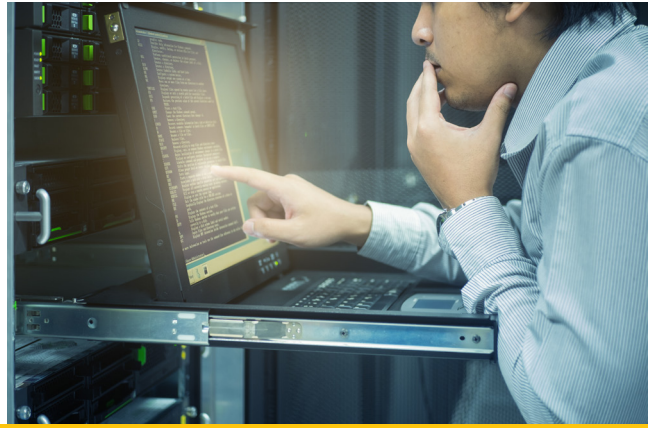




South Dakota High Demand & High Wage Career



Career Cluster: Information Technology

Network & Computer Systems Administrators

Standard Occupational Codes 15-1244

What They Do

Install, configure, and maintain an organization's local area network (LAN), wide area network (WAN), data communications network, operating systems, and physical and virtual servers. Perform system monitoring and verify the integrity and availability of hardware, network, and server resources and systems.

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:

Conventional (Organizers) —Detail oriented and organized. They like to analyze data, keep financial records and do research. They can be counted on to be accurate and enjoy structure and closure.

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

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.

A registered apprenticeship is another option for preparing for this occupation. To learn more, visit StartTodaySD.com or contact your local Job Service office to get started.

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:

- Computer Systems Design and Related Services
- Credit Intermediation and Related Activities
- Elementary and Secondary Schools
- Management of Companies and Enterprises

South Dakota Employment & Wages

2022 Employment	2032 Employment	Numeric Change	Percent Change	Average Annual Openings	Annual Median Wage	Annual Average Wage
1,966	2,063	97	4.9%	121	\$66,790	\$71,980

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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Provided By

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

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