



South Dakota High Demand & High Wage Career

Career Cluster:
Digital Technology



Computer Systems Analysts

Standard Occupational Codes 15-1211

What They Do

Analyze science, engineering, business, and other data processing problems to develop and implement solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions, improve existing computer systems, and review computer system capabilities, workflow, and schedule limitations.

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.

Conventional (Organizers) — Detail oriented and organized. They like to analyze data, keep financial records and do research.

Work Styles (personality tendencies) of people who perform well in this occupation have:

Innovation — A tendency to be inventive, to be imaginative, and to adopt new perspectives on ways to accomplish work.

Intellectual Curiosity — A tendency to seek out and acquire new work-related knowledge and obtain a deep understanding of work-related subjects.

Attention to Detail — A tendency to be detail-oriented, organized, and thorough in completing work.

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

- Deductive Reasoning
- Information Ordering
- Oral Comprehension
- Oral Expression
- Written Comprehension

Work Activities

- Working with Computers
- Getting Information
- Making Decisions and Solving Problems
- Processing Information

Education & Training

The minimum of a bachelor's degree in computer science or similar field is recommended for computer systems analysts. Some employers require a master's degree. Demonstrated, strong systems analysis and evaluation skills are the most important qualification.

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	4
Graphic Literacy	4

*Using the median skill level.

Where They Work

The South Dakota industries which employ the largest number of computer systems analysts are:

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

South Dakota Employment & Wages

2024 Employment	2034 Employment	Numeric Change	Percent Change	Average Annual Openings	Annual Median Wage	Annual Average Wage
1,134	1,271	137	12.1%	80	\$99,790	\$106,040

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/>

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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