

Computer Systems Analyst

PANHANDLE

Average Wage
\$24.94

*Average Annual
Job Openings*
20

<i>Employment in</i>	
<i>2004</i>	<i>2014</i>
450	600

TEXAS

Average Wage
\$34.02

*Average Annual
Job Openings*
1,980

<i>Employment in</i>	
<i>2004</i>	<i>2014</i>
41,000	56,150

UNITED STATES

Employment in
2006
446,460

Female 29%
Minority 17%

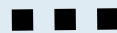
EMPLOYMENT CODES

OES 25102

O*NET 15-1051.00
Computer Systems Analysts

JOB DESCRIPTION

Analyze business, scientific, and technical problems for application to electronic data processing systems and convert business procedures into a programmable form for computer-assisted solutions.



SKILLS AND APTITUDES NEEDED

- ◆ Aptitude for analytical work
- ◆ Ability to think logically and pay close attention to detail
- ◆ Ability to concentrate and deal with a number of tasks simultaneously
- ◆ Strong problem solving skills
- ◆ Broad knowledge of and experience with computer systems and technologies
- ◆ Ability to communicate with computer personnel as well as staff with no computer background



Computer systems analysts coordinate with management, network and database administrators, and computer users to determine the requirements to meet the information needs of the organization. They outline the flow of information within the company for enterprise resource planning and other business intelligence systems. They plan and develop new computer systems or devise ways to apply existing systems' resources to additional operations.

Analysts use techniques such as structured analysis, data modeling, information engineering, mathematical model building, sampling, and cost accounting to plan systems. Many analysts are involved with networking—connecting all of their organization's computers internally and/or externally for tasks such as e-mail or the World Wide Web.

PANHANDLE AREA PUBLIC TRAINING PROVIDERS

Training Provider	Direct	Related	Education Offering
Amarillo College Amarillo, Dumas, Hereford	√		A.A.S. (Associate in Applied Science Degree), Computer Information Systems Major
	√		A.S. (Associate in Science Degree), Business Administration/Computer Information Systems Major
Clarendon College Clarendon, Pampa	√		A.A. (Associate in Arts Degree), Computer Information Systems Major
Frank Phillips College Borger, Perryton	√		A.A.S. (Associate in Applied Science Degree), Management Information Systems in E-Commerce and Cisco and Novell Networking Major
Wayland Baptist University Amarillo	√		B.S.O.E. (Bachelor of Science in Occupational Education), Computer Information Systems Major
West Texas A&M University Canyon	√		B.B.A. (Bachelor of Business Administration Degree), Computer Information Systems Major

For information on Panhandle Area private training providers or public training providers outside of the Panhandle Area, please refer to the Resource Index.

LICENSE/CERTIFICATION

Professional and vendor-specific certifications are preferred and often required

HIGHEST EMPLOYMENT LEVELS BY INDUSTRY

State Government	13%	Local Government	5%
Federal Government	9%	Software Publishers	5%
Insurance Carriers	8%	Self-employed/Unpaid Family Workers	5%
Colleges/Universities/Professional Schools	7%	Data Processing/Hosting/Related Services	3%

FOR MORE INFORMATION

Association for Computing Machinery (ACM), 1515 Broadway, New York, NY 10036, (800) 342-6626, <http://www.acm.org>

Institute for Certification of Computing Professionals (ICCP), 2350 East Devon Ave., Suite 115, Des Plaines, IL 60018-4610, (800) 843-8227, <http://www.iccp.org>

Institute of Electrical and Electronics Engineers—USA (IEEE), 1828 L St. NW, Suite 1202, Washington, DC 20036-5104, (202) 785-0017, <http://www.ieee.org>

Quality Assurance Institute, 2101 Park Center Drive, Suite 200, Orlando, FL 32835-7614, (407) 363-1111, <http://www.qaiworldwide.org>

For additional website sources, please refer to the Resource Index.

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