

FOCUS ON

NETWORK & COMPUTER SYSTEM ADMINISTRATORS

Houston Gulf Coast Region*

ABOUT PROS WHO MAKE "ALL SYSTEMS GO"



Are you among those with a nose for designing and refining? If so, you may have some promising career options awaiting you.

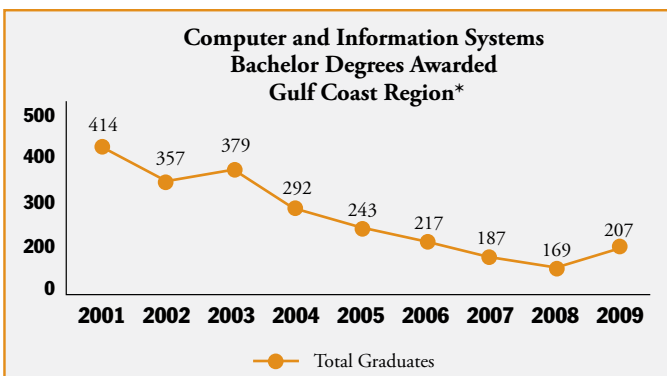
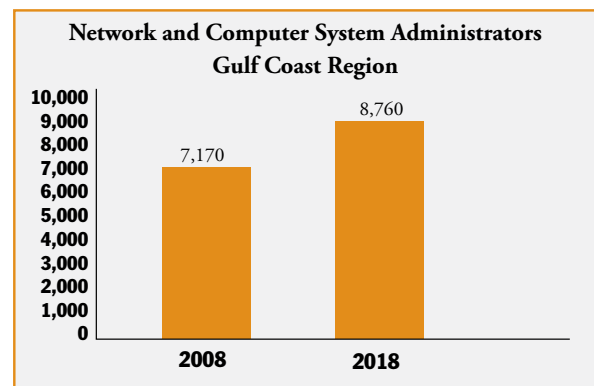
Network and computer systems administrators are in demand in an ever-growing number of tech-based careers. Such jobs don't allow for boredom, and network and computer systems administrators design, install, configure, and support multi-user computer systems and/or networks for all sorts of businesses and organizations.

They are responsible for day-to-day on-site administrative support for software users in a variety of work environments, including professional offices, small businesses, government, and large corporations. These intense jobs are driven by constant advancements in technology — requiring regularly updated tech skills. The occupation is both exciting and rewarding for persons wanting to work with cutting-edge technology.

Some Noteworthy Numbers:

Network and computer systems administrator jobs are expecting 22 percent job growth between 2008 and 2018, much more than the average for all occupations (19.4 percent). In addition, they earn great wages, averaging more than \$34 an hour — or \$71,114 a year.

A PLUMMETING NUMBER OF COMPUTER GRADUATES IS POISED TO LEAVE BUSINESSES STRUGGLING TO MEET RECRUITMENT NEEDS IN THE NEAR FUTURE.



*Source: National Center for Educational Statistics



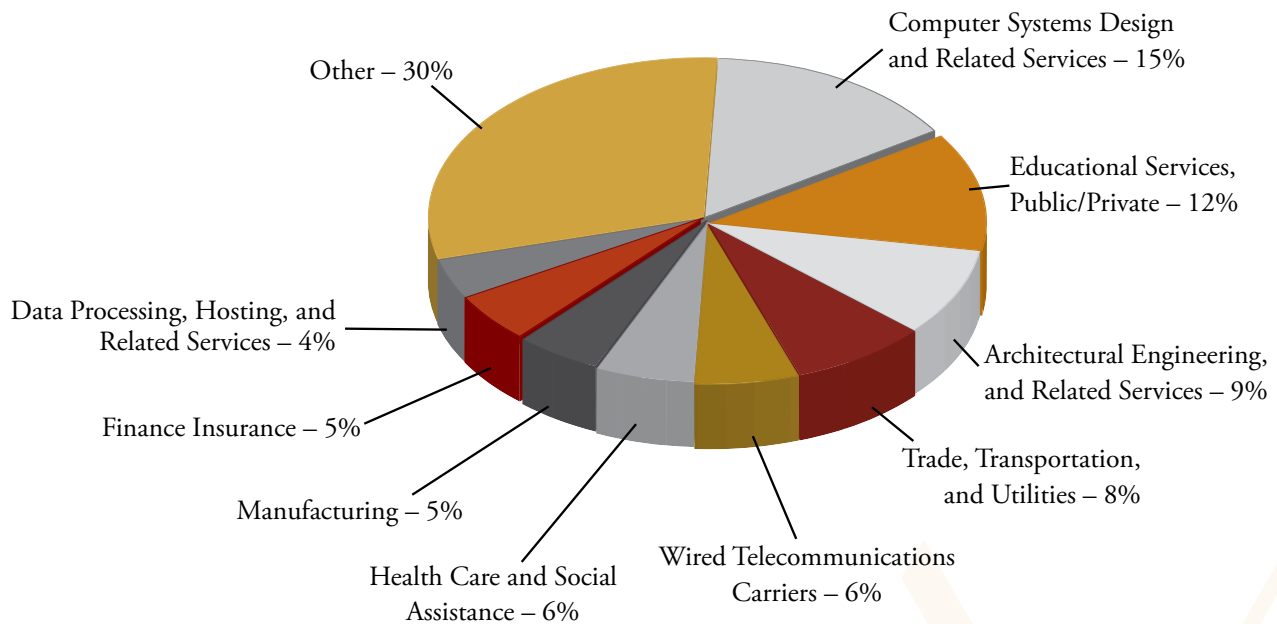
Brought to you by the Education Committee of The Gulf Coast Workforce Board. For more information visit us on the Web at www.wrksolutions.com. Latest data available. May 2011.

*Includes the following counties: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton.

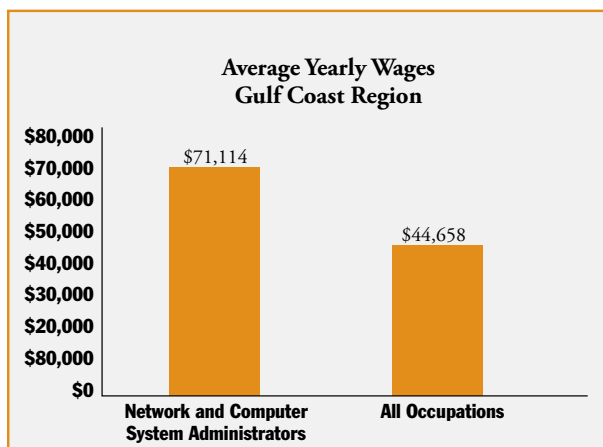
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JOB OPPORTUNITIES WILL NOT BE LIMITED TO ONE SPECIFIC INDUSTRY SINCE INFORMATION TECHNOLOGY EXISTS ACROSS MOST BUSINESSES.

**Network and Computer System Administrator
Jobs in the Gulf Coast Region – 2018**



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PATHWAY TO BECOMING A NETWORK AND COMPUTER SYSTEMS ADMINISTRATOR

Typically, one needs a bachelor's degree in a computer science-related field to get a job as a network and computer systems administrator. This usually takes 4 to 5 years of college study.

CERTIFICATIONS

Depending on the needs of an organization, some employers require individuals to possess specific certifications. These may be a Microsoft certification (Microsoft Certified Systems Analyst, Microsoft Certified Systems Engineer), or certification as a Red Hat Certified Engineer, Novell Certified Network Administrator, Certified Novell Engineer, Cisco Certified Network Administrator, CompTIA's A+ or Network+, or Sun Certified SCNA.

START EARLY AND BE PREPARED

High school students should strive for a high GPA. This will give them an advantage when applying for acceptance into a computer science training program. In addition, degree programs in computer science focus heavily on mathematics.



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PREPARING FOR A NETWORK AND COMPUTER SYSTEM ADMINISTRATOR CAREER*

9th Grade		Suggested Coursework	
	English I	World Geography	Career-Related Electives: Introduction to Information Technology or Network Essentials
	Algebra I	Languages other than English I	
	Biology	Health/PE or Equivalent	
10th Grade		Suggested Coursework	
	English II	World History	Career-Related Electives: Telecommunications and Networking or Introduction to Computer Maintenance or Computer Cabling and Design
	Geometry	Languages other than English II	
	Chemistry	Technology Applications	
11th Grade		Suggested Coursework	
	English III	United States History	Career-Related Electives: Internetworking Technologies I or Computer Maintenance I
	Algebra II	Communication Applications	
	Physics	PE or Equivalent	
12th Grade		Suggested Coursework	
	English IV	Government/Economics	Career-Related Electives: Internetworking Technologies II or Computer Maintenance II or related Career Preparation program or Independent Study or Precalculus
	Statistics	Fine Arts	
	Environmental Systems		

*Source: AchieveTexas.org

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GULF COAST REGION NETWORK AND COMPUTER SYSTEMS ADMINISTRATOR AND RELATED DEGREE PROGRAMS

COMMUNITY COLLEGES

- Alvin Community College
- Brazosport College
- College of the Mainland
- Galveston College
- Houston Community College System
- Lee College
- Lone Star College System
- San Jacinto College
- Wharton County Junior College

UNIVERSITIES

- Houston Baptist University
- Prairie View A&M University
- Rice University
- Sam Houston State University
- Texas Southern University
- Texas Woman's University
- University of Houston
- University of St. Thomas

MAJOR EMPLOYERS IN THE GULF COAST REGION

- 365 Solutions
- ABB
- Altra Energy Technologies
- BEI Computer & Information
- BSI Consulting
- CGI Systems International
- Cisco Systems Inc.
- Comsys Information Technology
- CSC Consulting Inc.
- I-Sector Corp (now INX)
- Interliant Inc.
- Jack Henry & Associates Inc.
- Kean Inc.
- National Integrated Systems
- Resourceaq
- Robert Half Technology
- Solid Systems

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