

HILLSBOROUGH COMMUNITY COLLEGE

CLASS SPECIFICATION

<i>Class Title:</i>	Network Engineer	<i>BOT Date:</i> March 2, 2005
<i>Level:</i> E	<i>FLSA Status:</i> Exempt	<i>Class Code:</i> E0507
<i>Adm. Rev:</i>		

GENERAL DESCRIPTION

Senior technical position within the Information Technology division responsible for overall architectural design, configuration, implementation, and maintenance of network systems and software. Provides leadership and supervisory responsibility for all major networking projects, team members, and assigned fiscal resources. The Network Engineer is responsible for providing institution-wide strategic recommendations on network infrastructure expansion.

KEY RESPONSIBILITIES

% OF TIME

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1.*	Responsible for the design of the network architecture, the configuration, implementation, security and maintenance all network hardware and software.	25%
2.*	Manages the daily operation, problem resolution and maintenance of major network components. Takes the lead on network forensic investigations and resolution of network emergencies.	25%
3.*	Develops network management tools to monitor and report on the reliability and traffic flow of the network and to ensure optimal performance and effective delivery of network services.	10%
4.*	Supervises assigned staff regarding the troubleshooting of technical problems, network maintenance and scheduled repair of complex hardware and software, computer interfaces to network equipment and wide-area network links.	20%
5.*	Plans and develops the network Disaster Recovery Plan, insure the effectiveness of the plan and test the plan as required.	10%
6.	Researches and evaluates network technologies appropriate for HCC providing strategic recommendations for network expansion	10%
7.	Performs other similar and related duties as required.	

* Indicates an "essential" job function.

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KEY JOB REQUIREMENTS			
<i>Education:</i>	Bachelor's required (6 years experience) or Master's degree (4 years of experience). CCNA and CCNP or the equivalent required.		
<i>Experience:</i>	6 years (Bachelor's) or 4 years (Master's) of prior related work experience required. Prior experience must include management of enterprise network of 500+ network nodes required.		
<i>Planning:</i>	Makes formal plans that exceed one year, but not three years beyond normal operational planning. The primary scope of planning activities in this position affects the entire college.		
<i>Impact of Budgets:</i>	Has the major controlling/authorizing influence on decisions affecting the expense for college-wide networking. Has full authority to commit the work unit to a specific course of action.		
<i>Impact of Decisions:</i>	Major responsibility for making decisions and final recommendations which routinely affect the activities of a campus. Position duties may include responsibility for developing strategic networking plans affecting one or more campuses.		
<i>Complexity:</i>	Work is broad in scope covering one or more complicated areas. Policy, procedure, or precedent is typically created by this position.		
<i>Decision Making:</i>	Supervision is present to review established departmental and/or campus objectives. Independent judgment is required to recommend departmental or campus objectives, evaluate new approaches to problem solving, and assess changing facts or conditions.		
<i>Problem Solving:</i>	Problems are technically complex, non-standard, varied and rarely related to those seen before. A high degree of analytical ability and inductive thinking may be required to solve highly intricate, technically complex problems. Must be able to develop new and nonstandard approaches to problem resolution.		
<i>Communications with Others:</i>	Regular contacts with internal persons of importance and influence involving considerable tact, discretion and persuasion in obtaining desired actions and/or the handling of difficult personal relationships. Regular external contacts to carry out organization programs and to explain specialized matters, requires continuing personal contact with the public including vendors for technology hardware, software, and services.		
<i>Supervision of Others:</i>	Makes recommendations within the department in the areas of compensation, staff selection, disciplinary action, complaints, staff performance appraisal, and similar supervisory duties. Plans, assigns, and evaluates the work of subordinates. Nature of work supervised requires training and experience, a thorough knowledge of departmental or divisional activities, and an understanding of and appreciation for work conducted in other departments or campuses of HCC.		
<i>Job-Related Knowledge:</i>	Requires extensive knowledge in several professional disciplines and/or singular knowledge of a specialized advanced discipline. Able to integrate information from many diverse areas. Requires extensive theoretical or highest level of technical and operational knowledge to manage a major segment technology base of HCC. Recognized expertise in the field and consultative resource by other outside HCC.		
<i>Innovation/ Creativity:</i>	Work requires the development of innovative methods, procedures, products, systems and strategies. Many of the issues require unique troubleshooting approaches and solution strategies.		
<i>Working Conditions/ Physical Effort:</i>	Work requires only a modest amount of physical exertion and/or physical strain. Work environment involves only infrequent exposure to disagreeable elements. Has the potential to be a high stress work environment requiring 24/7/52 monitoring and attention.		