

HILLSBOROUGH COMMUNITY COLLEGE

CLASS SPECIFICATION

<i>Class Title:</i> Network Security & Integration Engineer			<i>Approval Date:</i> October 30, 2007
<i>Level:</i> E	<i>FLSA Status:</i> Exempt	<i>Class Code:</i> E0572	<i>Approved by:</i> College President

GENERAL DESCRIPTION

Responsible for the design, configuration, and maintenance of all security and integration solutions related to network and server technologies. Ensures availability, integrity, and confidentiality of College electronic data resources. Provides single point of contact for system integration projects and security concerns.

KEY RESPONSIBILITIES

% OF TIME

1.*	Manages all security devices within the Total Computing Base including Firewalls, Intrusion Detection/Preventions Systems, and network monitors.	20%
2.*	Leads all integration projects that relate to the convergence of different IT systems, including data, voice, and video systems onto a common IP backbone.	20%
3.*	Researches vulnerabilities and exploits related to server, network, and telecom systems employed by the College. Provides recommendations to server and network administrators on patching and securing those systems.	15%
4.*	Develops scripts and programs to provide management and integration solutions across the various systems at HCC.	10%
5.*	Assists the Chief Security Officer with the creation of the College Information Security Architecture including the development of policies, plans, guidelines, and procedures to handle incidents, disasters, and day-to-day operations.	10%
6.	Creates documentation for current and future security and integration designs.	10%
7.	Researches and evaluates security technologies appropriate for HCC. Provides strategic recommendations in the support of network and server expansion. Researches, evaluates, and implements new technologies related to network, server and telecommunications technology in support of HCC's mission.	10%
8.	Serves as the Computer Incident Response Team Coordinator (CIRTC) for all information security incidents.	5%
9.	Performs other similar and related duties as required.	

* Indicates an "essential" job function.

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KEY JOB REQUIREMENTS

Education:	B.S. in Computer Science preferred. Can be substituted with minimum of 55 credit hours and appropriate experience.
Experience:	Minimum eight years of prior work experience. Must have extensive knowledge of various network equipment including routers and switches. Must have an in-depth knowledge of various scripting languages including Perl and PHP. Must have experience managing Windows, Unix, and Linux systems. Must have experience implementing VOIP and combining voice and data over same circuits. Must be familiar with voice PBX or key systems. CISSP certification required. GCIH certification also desired.
Planning:	Plans events that are expected to occur during the year, and have some effect on the department's annual expenditures and/or revenues. The scope of planning affects the campus.
Budget:	Has a strong, but not controlling, voice in decisions on the budget; can recommend expenditures within an approved budget. Actions may have a direct contribution on the methods used to generate revenues.
Impact of Decisions:	Moderate responsibility for making recommendations or decisions that typically affect the department, but may at times affect operations, services, individuals or activities of a campus.
Complexity:	Work is non-standardized and widely varied requiring the interpretation and application of a substantial variety of procedures, policies, and/or precedents used in combination. Analytical ability and inductive thinking are required.
Decision Making:	Supervision is present to establish general objectives relative to a specific project, to outline the desired end product and to identify potential resources for assistance. Independent judgment is required to identify, select, and apply the most appropriate of available guidelines and procedures, interpret precedents, and adopt standard methods or practices to meet variations in facts and/or conditions.
Problem Solving:	Problems are complex, varied, and only mildly related to those seen before. Simply determining what the problem is requires major individual effort and/or consultation with others within the department or College. 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.
Communications with Others:	Requires both internal and external contacts to carry out programs and to explain specialized matters, or occasional contacts with officials at higher levels, or the public, on matters requiring cooperation, explanation, and persuasion.
Supervision of Others:	Responsible for making recommendations within a department. Plans, assigns, and evaluates the work of subordinates for effective operation and results of the unit. Work supervised requires training and experience, and a thorough knowledge of departmental activities.
Job-Related Knowledge:	Requires professional theory and practice applied at the advanced level of a "seasoned" professional. Requires extensive knowledge of the professional discipline and a working knowledge of related fields.
Innovation/Creativity:	Requires developing imaginative and complex methods, procedures, products, or systems. This is an important part of the job and results generally affect a campus.
Working Conditions/Physical Effort:	Work is typically performed in an office, library, or computer room. Physical effort typically involves sitting at a desk, with intermittent sitting, standing, or stooping.

