

**Career Path – Systems Administration / Engineering**  
**April 2010 (Title changes made in July 2010)**

JCC Title	Qualifications	Grade	FLSA	JCC Number	Job summary (all job qualifications and responsibilities are cumulative in nature)
Systems Administrator (no title change)	<p>Bachelor's degree in Computer Science or related field or equivalent combination of training and experience. Certification for particular server(s) related to area of support or experience in lieu of certification(s). Up to three years of systems administration experience. Demonstrated knowledge of operating system commands/utilities; demonstrated knowledge of system administration tools and processes.</p> <p><i>Preferred:</i> Two or more years of related experience; ability to write scripts in administrative language(s) (e.g. Tk, Perl, VBScript, C, shell scripting.)</p>	59	Exempt	3434	<p>This role includes staff primarily responsible for server management within a central group supporting enterprise wide systems or within a college or division overseeing multi user systems. Responsibilities include installation, maintenance, configuration, server security, and performance upgrades to support application resource management and availability.</p> <p><b>NOTE:</b> This position is not designated for staff that perform routine maintenance on systems as well as other helpdesk or desktop support activities. Please review JCCs 3316 and 3317 (IT Support Consultants) for those positions that are not primarily systems administrators.</p>
Senior Systems Engineer (formerly called Sr. Systems Administrator)	<p>Bachelor's degree in Computer Science or related field, or equivalent combination of training and experience. Certification for particular server(s) related to area of support or experience in lieu of certification(s). Three or more years of systems administration experience. Ability to write scripts in administrative languages (e.g. Tk, Perl, VBScript, C, shell scripting.)</p> <p><i>Preferred:</i> Four or more years of related experience; advanced knowledge of operating system(s).</p>	61	Exempt	3435	<p>This role includes staff primarily responsible for server management within a central group supporting enterprise wide systems or within a college or division overseeing multi user systems. Responsibilities include installation, maintenance, configuration, server security, and performance upgrades to support application resource management and availability. May be involved in the training and oversight of lower level staff.</p>
Principal Systems Engineer (formerly called Principal Systems Administrator)	<p>Bachelor's degree Computer Science or related field. Certification for particular server(s) related to area of support or experience in lieu of certification(s). 6 or more years related experience. Ability to design, implement and integrate computing systems; understands computing environment and impact on infrastructure; ability to write technical proposals. Ability to program in applicable administrative languages (e.g. Tk, Perl, VBScript, C, shell scripting.)</p> <p><i>Preferred:</i> Master's degree in computer Science and seven or more years experience.</p>	64	Exempt	3436	<p>This role includes staff primarily responsible for server design and management within a central group supporting enterprise wide systems or within a college or division overseeing complex multi user systems. Ensures long-term requirements of systems operations and administration are included in overall information systems planning. May serve as a project lead on systems administration projects. Provides direction and training to lower level staff.</p>