

## Position Description

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JOB ID:	9661
Position Number:	02008936
UC Path Position #	40246061
Dept:	IET COMMUNICATIONS RESOURCES - 061420
Position:	Telecommunications Infrastructure Inspector
Approved Payroll Title Code:	4384
Approved Payroll Title:	CONST INSP 2
Approved MSP Salary Grade:	
Approved PSS Salary Grade:	PSS21
<b>POSITION DETAILS</b>	
Job Summary:	<p>Under the direct supervision of the Engineering Supervisor, inspect ongoing Minor/Major construction projects to ensure adherence to campus standards. Monitor, write, and manage the standards compliance information for Section 27 of the Campus Standards and Design Guide, and maintain a comprehensive library of campus telecommunications standards for voice, data, wireless, multimedia and telecommunications infrastructure. Perform quality assurance activities for adherence to defined standards. Conduct standard inspections of new construction, alterations and repair work by contractors and other personnel. Review design development and construction documents, specifications and bid documents for construction features prior to release for bid. Participate in final inspection and final acceptance procedures. Select methods and techniques for obtaining solutions and ensuring compliance with all applicable building codes, rules, regulations, laws, etc.</p>
Campus Job Scope:	<p>This position is part of Enterprise Infrastructure Services (EIS) under Information and Educational Technology (IET), and provides key telecommunications consultation, direction and support to incorporate telecommunications compliance standards into campus construction projects.</p>
Department Specific Job Scope:	<p>The mission of Information and Educational Technology (IET) is to create and support an information technology environment that enhances the ability of the UC Davis community to teach, do research and provide public service. In support of the University's mission, IET delivers an infrastructure of technological services appropriate to the requirements of the campus community.</p> <p>Network Services and Engineering (NSE) is responsible for the long-range planning, design, engineering, and technical advancement of the campus communications infrastructure including Outside Plant, structured cabling, general assignment classrooms, and network equipment installation. NSE manages the communications and multimedia systems design guidelines and specifications, estimating, planning, inspection, and installation services for capital construction projects, major building renovations, general assignment classrooms, and daily moves, additions, and changes.</p>
Positions Supervised:	n/a
Essential Responsibilities:	<p>50% PROJECT/INSTALLATION STANDARDS COMPLIANCE INSPECTIONS            Perform compliance inspections at field sites to ensure that all applicable codes, plans &amp; specifications, campus standards are met.            Inspect construction of facilities including new construction, modifications to existing facilities, &amp; repairs to all underground utilities for duct banks for various distribution systems (e.g., voice, data, multimedia, &amp; fiber optics).</p>

Inspect construction projects including improvements to new construction, renovations, general assignment classrooms, & infrastructure replacements projects.  
Assist with the Inspector of Record services on projects, coordinating the activities of other inspectors required by California Code of Regulations Title 24.  
Support inspections with State/Local Fire Marshall.  
Document all inspections performed, including updates & other reports as required.  
Perform field site visits for compliance & maintenance issues as required.  
Review & update Standard Operation Procedures handbook for project standards compliance inspections.

#### 25% STANDARDS DOCUMENTATION

Monitor & analyze current & pending published industry standards as published by multimedia or governmental guidelines & standards as they relate to campus construction projects & upgrades. Determine applicability of those standards for the campus. Write & publish Section 27 of the Campus Standards & Design for new & existing buildings & other telecommunications & multimedia infrastructure. Manage a comprehensive list of manufacturer products & prices used in the estimation process of cabling & multimedia projects.

Develop & communicate project plans & schedules, prioritize requirements & coordinate resources for installation & maintenance of the campus voice, data, multimedia, & video communications infrastructure.

#### 15% PROJECT STANDARDS COMPLIANCE REVIEWS

Perform QA for adherence to defined standards through regular inspection of project documentation affecting the communications systems infrastructure & multimedia systems.

Advocate & enforce telecommunications & multimedia standards for campus construction projects & upgrades, up to & including new building construction & renovations of general assignment classrooms.

Provide consultation and direction to dept. personnel & external contractors on standards for the expansion & design of multimedia & telecom-based services to meet organizational requirements.

Coordinate the delivery of standards compliance information & provide consulting services to related campus offices & departments.

Evaluate future building & system plans for conformance to established standards.

#### 10% OTHER RESPONSIBILITIES

Participate as member of the NTI Committee to ensure all units in NSE are involved in the search & integration of new products.

Work collaboratively to develop timeline for end of life equipment that support projects & service orders.

Work with the IET Storehouse to ensure the material equipment listing is current.

Work with vendors, technicians, & storekeepers to ensure the existing material is valid.

Climb ladders, stoop, and bend in confined areas.

#### Physical Demands:

Work at sites under construction which may include uneven ground/walking surfaces, open trenches and contain other obstacles great and small.

#### Work Environment:

This position requires a valid California Driver's license and is subject to DMV pull-notice System.

This position requires Registered Communications Distribution Designer (RCDD) certification, which is contingent upon hiring after 6-month probation period.

Position may be required to work with or be in areas where hazardous materials and/or infectious diseases are present. This position is subject to Medical Surveillance procedures and review in accordance with Federal and State Laws and Regulations and University policy. Position is required to maintain certification in

the AHERA Asbestos Abatement Program.

Work in a busy office environment with frequent interruptions.

Work in a noisy environment generated from construction equipment, ventilators, pumps, generators and vehicular traffic.

Work occasional overtime and/or flexible hours as needed to meet peak workloads.

Vacation is restricted during busy periods.

UC Davis is a smoke and tobacco free campus. Smoking, the use of smokeless tobacco products, and the use of unregulated nicotine products (e-cigarettes) will be strictly prohibited on any UC Davis owned or leased property, indoors and outdoors, including parking lots and residential space.

Background Check:

Yes

## **QUALIFICATIONS**

Experience inspecting voice and data systems, local area network, copper and fiber outside plant infrastructure, and structured cabling.

Experience inspecting multimedia systems (projection, video, audio, controls) and intended applications in a systems environment.

Experience with EIA/TIA, ICT and BICSI standards, National Fire Protection Code including the National Electric Code, grounding, bonding, power, and protection of telecommunications plant and equipment and multimedia systems.

Minimum Qualifications:

Experience applying knowledge of California Building Codes, Cal OSHA, and the campus, medical center or University Construction Design Standards.

Experience in the design, installation, and certification processes of sizable telecommunications infrastructure projects to include all categories of structured cabling, in-building radio systems, wireless systems, fiber optic cable, termination, and grounding systems.

Experience applying safety procedures and devices, and approved construction practices. Knowledge in inspecting fire stopping material in conduits and telecommunication areas.

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Knowledge of multimedia control systems and programming requirements to integrate into existing classroom system and conference room environments.

Experience reading and interpreting blueprints, specifications, and construction drawings.

Experience with documentation practices including preparing punch lists, as-built and redline documents, creating inspection reports, performing data entry into computer systems, and retrieving computer generated reports.

Preferred Qualifications for Selection:

Skill to perform complex analysis of telecommunications related regulations and standards.

Organizational and analytical skills, including problem recognition, avoidance and resolution.

Verbal, written and interpersonal communications skills to work with a variety of constituents.

## **Expectations**

Job Expectations

-Read and model the UC Davis Principles of Community.

-Experienced professional who knows how to apply theory and put it into practice with in-depth understanding of the professional field; independently performs the full range of responsibilities within the function; possesses broad job knowledge; analyzes problems / issues of diverse scope and determines solutions.

-Independently manage and follow projects through to a successful completion, meeting pre-established timelines and budgets with a high degree of quality.

-Adhere to workplace safety practices, read information communicated about workplace safety, complete required safety training on time, report any workplace safety issues promptly to their supervisor or the designated safety coordinator.

-Communications skills to effectively present information (oral, written, presentation, documentation).

-Use tact and diplomacy for interactions with others.

-Support departmental goal of providing positive, innovative, and effective customer service through performance of job functions.

-Maintain flexibility in a continuously changing work environment.

-Maintain up-to-date knowledge through literature, classes, exhibits, seminars, on-the-job training and other relevant training forums.

-Maintain professional certification.

-Attendance at conferences, classes, and exhibits and other sources of learning will be referenced in evaluating the incumbent's initiative in this area.

-Be familiar with, and comply with, specific and detailed safety procedures and practices.

-Ability to cultivate trust and build successful working relationships with stakeholders, subject matter experts, and other relevant staff and management.