



Watch television, listen to the radio, surf the web or send a photo from your cell phone and, somewhere, at some point, you will touch a media network designed and engineered by Communications Engineering, Inc. If you're looking for an exciting career with a stable and growing high tech company and are ready to apply your skills to the most challenging technical and programmatic issues of today's exploding broadcast, audio-visual and multi-media landscape, then we want to hear from you!

## **Communications Engineering, Inc. (CEI)**

Headquartered just south of Washington, D.C. in Newington, VA, near the Springfield/Franconia Metro, Communications Engineering Inc. (CEI) is an award-winning, consulting, design and systems Integration Company focused on the broadcast, audio-visual and multi-media industries. CEI also offers support and training services as well as complete field and depot maintenance services. Our customers include a wide range of public and private, small, medium and large commercial businesses, non-profits and government agencies, both domestic and abroad. We are an energetic, highly motivated team, focused on the success of our customer's projects and the continued growth of our company.

### ***Assistant Design Engineer (Training will be Provided)***

#### **JOB DESCRIPTION**

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If you have a background (or interest in learning) the analysis, design and management of media communications systems as well as knowledge of equipment, current trends and technical development in the industry, then please contact CEI and let us know how you could make a contribution to our company.

The Assistant Design Engineer, under the direction of a project manager or lead design engineer, provides professional designs and systems engineering support required to take a turnkey broadcast/media/AV system project from inception to completion and client acceptance. Using AutoCAD and cable database programs, design video, audio, control, LAN and communications systems. The design process includes equipment and technology research and coordination with vendors. Assist with final system testing and client training.

#### **Essential Functions:**

- Develop designs that meet customer functional and budgetary requirements.
- Generating functional and connection-level drawings Design for video, audio, control, LAN and communications subsystems, including preparation of AutoCAD drawings and documentation.
- Provide equipment and technology research and coordination with vendors. Selection and qualification of equipment and software required for custom integration solutions.
- Developing cable run lists in database.
- Developing detailed equipment lists and budgets.
- Developing console layouts, equipment rack elevations and jack field layouts, etc.
- Design of building layouts, floor plans, rack elevations, consoles, etc. utilizing AutoCAD
- Provide continuous engineering support throughout the project, from inception through implementation.
- Support the installation crew.
- System and Equipment configuration, customer training and ongoing system's service.



## **JOB REQUIREMENTS**

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### Basic Qualifications:

- Broadcast and/or AV infrastructure design and commissioning experience.
- Broadcast and/or AV systems deployment experience including installation, commissioning and end user training.
- Equipment and systems repair experience.
- Knowledge of high bandwidth computer networking and storage - design and configuration.
- Knowledge of AutoCAD, MS Office, and Database Programs.
- Cisco network training and certifications are desirable.
- Ability to read and understand construction drawings and related documentation.
- Strong interpersonal skills, excellent oral and written communication skills.
- Must be able to manage strict timelines and multiple installation teams in order to meet deadlines.
- Ability to interact with field personnel, management and customers.
- Must be eligible to work in the US without sponsorship.

### Preferred Qualifications:

- B.S, A.S. in Electronic Technologies or a related field. Equivalent experience and/or military training.
- CCNA or CCNE certification.
- Professional certifications (CCNA, CCNE, SBE, CTS, CTS-D, CTS-I, CEDIA) are a plus.

### Travel Requirements:

- Some travel is required

## **JOIN US**

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If you are considering a career in the broadcast, audio-visual or multi-media industries CEI sets the standard against which all others are measured. We're committed to our company's growth – and our employees' potential. CEI offers a complete benefit package, including salary, major medical/dental, holidays, vacation and 401K. CEI is an equal opportunity employer. Rely on CEI.

Please send your resume to: [humanresources@commeng.com](mailto:humanresources@commeng.com)

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