



## **Industrial Electrician, Instrumentation and Control Specialist I/II/III/IV**

The James City Service Authority seeks an individual to perform experienced work maintaining and repairing control system equipment such as electrical, electronic, microprocessor and variable frequency drives, electro-mechanical, power generation and Supervisory Control and Data Acquisition (SCADA) components.

Salary Negotiable depending on qualifications plus [Full-Time County Benefits](#).

There are four levels of Industrial Electrician, Instrumentation and Control Specialist distinguished by the level of the work performed and the qualifications of the employee and the requirements of the position being filled.

Classification Title	Salary Range	Salary
Industrial Electrician, Instrumentation and Control Specialist I	Grade 15	\$56,036 / yr or higher DOQ
Industrial Electrician, Instrumentation and Control Specialist II	Grade 16	\$60,011 / yr or higher DOQ
Industrial Electrician, Instrumentation and Control Specialist III	Grade 16	\$63,012 / yr or higher DOQ
Industrial Electrician, Instrumentation and Control Specialist IV	Grade 17	\$64,283 / yr or higher DOQ

\$4,000 signing bonus offered to candidates hired into the position.

### **Responsibilities:**

- Performs advanced design, maintenance, repair and installation of electrical/mechanical equipment and systems in well and lift station facilities including motors, motor controllers, power distribution systems, SCADA/telemetry, generators, engines, pumps and other associated mechanical systems; installs upgrades of existing SCADA/telemetry systems.
- Redesigns and rewires control systems in water production and wastewater collection facilities; designs and modifies control circuits for new and relocated electrical equipment systems.
- Installs and maintains variable frequency drives, modular programmable logic controllers and solid-state controllers.
- Performs control and instrumentation work on power generation equipment to include automatic bus transfer switching systems; diagnoses electrical problems with pumps and motors and repairs if possible.
- Performs repair and installation on low voltage direct current SCADA/telemetry interface; performs electronic repairs and adjustments to SCADA/telemetry circuit boards.
- Performs electrical construction projects such as conduit installation and installs control panels and motor controllers.

### **Requirements:**

- Any combination of education and experience equivalent to an Associate's degree in electronics or a closely related field; extensive related experience in electronics or instrumentation.
- Must possess, or be able to obtain within 30 days of hire, a valid Virginia driver's license and have an acceptable driving record based on James City County's criteria.
- Must possess a valid Journeyman Electrician License issued by the Commonwealth of Virginia or be able to demonstrate and verify appropriate knowledge level and experience.
- Knowledge of electronic theory and practice including materials, diagrams and methods used in the installation, maintenance and repair of electronic control devices; equipment used in electrical construction and repair; occupational hazards, safety precautions and safety regulations related to equipment operation and general construction work; traffic laws and regulations governing the operation of equipment; principles and processes for providing customer service including setting and meeting quality standards for services and evaluation of customer

satisfaction.

- Skill in use of computer software, especially Microsoft Office Suite; and varied software systems.
- Ability to troubleshoot software or hardware problems; listen and understand directions, information and ideas presented verbally and in writing; handle a variety of customer service issues with tact and diplomacy; plan and organize daily work routine; establish priorities for the completion of work in accordance with sound time-management methodology; must have the ability and tolerance to function in an environment that requires the use of respiratory protection devices.

Position Level	Requirements
Instrumentation and Control Specialist I (Grade 15)	<ul style="list-style-type: none"><li>• No additional qualifications required.</li></ul>
Instrumentation and Control Specialist II (Grade 16)	<ul style="list-style-type: none"><li>• Completion of International Society of Automation's Certified Control System Technician (CCST) Level I certification or equivalent vocational training and demonstration of Instrumentation and Control Specialist II knowledge, skills and abilities (KSAs).</li></ul>
Instrumentation and Control Specialist III (Grade 16, 5% above previous salary)	<ul style="list-style-type: none"><li>• Completion of International Society of Automation's Certified Control System Technician (CCST) Level I and Level II-Specialist certifications or equivalent vocational training and demonstration of Instrumentation and Control Specialist III knowledge, skills and abilities (KSAs).</li></ul>
Instrumentation and Control Specialist IV (Grade 17)	<ul style="list-style-type: none"><li>• Journeyman's License and Completion of International Society of Automation's Certified Control System Technician (CCST) Level I, Level II-Specialist, and Level III-Master certifications or equivalent vocational training and demonstration of Instrumentation and Control Specialist III knowledge, skills and abilities (KSAs).</li></ul>

[Click here](#) for full job description. Accepting applications until position is filled. Cover letters and resumes may also be attached, but a fully completed application is required in order for your application to be considered.

**Only online applications to our website will be considered. To apply, please visit the James City County Career Center at <https://jobs.jamescitycountyva.gov>**