

# Pinellas County Sheriff's Office

*"Leading The Way For A Safer Pinellas"*



## ELECTRONIC SYSTEMS INTEGRATION SPECIALIST

**JOB CODE: 30093**

**PAY GRADE: 24**

**PAY RANGE: \$61,200 - \$97,920**

### GENERAL DESCRIPTION

Under the direction of the Security and Communication Electronics Section Manager or designee, this individual is charged with programming, planning, selection, integration, modification, design and administration of security, audio visual and communication systems.

The incumbent oversees and coordinates multiple complex communications and security projects bringing together component subsystems into a whole and ensuring that those subsystems function together.

Working to solve a wide range of complex, multi-disciplinary problems, the individual must consider short, intermediate, and long term organization-wide planning and total cost of ownership of various solutions. Work is reviewed through observation and results obtained. **Requires availability for emergency call-outs.**

**SUPERVISES OTHERS:** No

### ESSENTIAL FUNCTIONS AND RESPONSIBILITIES

- Integrates, programs and administers systems to include but not limited to, Security IP Communications networks, Programmable Logic Controller (PLC) based security control, Intercom, Closed Circuit Television Video (CCTV), Digital Video Recording (DVR), Credential based access control, Personnel Duress, Television distribution, Radio Frequency (RF) repeater communications, Video Visitation and AMX/CRESTRON Audio Visual (AV) programming;
- Monitors and tests equipment operation, performs data collection and analysis;
- Incumbent provides local support and training to end users and technical staff;
- Researches and evaluates new technology that may have significance to the organization's future; performs technical analysis to ensure compatibility and assess impact on existing systems;
- Designs and tests systems during the prototype phase in a lab environment;
- Participates in Sheriff's Office recruitment and community relations activities as directed.

This list is not intended to be all-inclusive and you may not be responsible for every item listed. The employer reserves the right to assign additional functions and responsibilities as necessary.



## QUALIFICATIONS

- Graduation from an accredited college or university with an Associate's Degree in electronics
- Or vocational training in electronics
- 3 years' experience
- Or equivalent combination of education and experience
- Must possess a valid Florida driver's license

## KNOWLEDGE, SKILLS, AND ABILITIES

- Knowledge of Radio Frequency Communications Concepts, TV signal distribution, CCTV, Access Control systems, PLC software and hardware, Digital Video Recording, Personnel Duress systems, and Audio / Video presentation / videoconference systems
- Familiarity with software and hardware engineering, interface protocols and understanding the interactions between subsystems
- Knowledge of the National Electrical Code pertaining to low voltage signaling and communications wiring, and of the NFPA Life Safety Code manual
- Understanding of troubleshooting procedures to perform functional and performance tests on hardware and software to resolve issues
- Ability to perform all functions of the job classification without posing a direct threat to the health or safety of other individuals in the workplace

## PHYSICAL ABILITIES

The physical abilities listed below are estimates of time spent during a typical work day to perform essential functions and responsibilities. Members in this position may be required to:

- Work in non-temperature controlled environments, including outdoors
- Identify the color of coded wires and parts
- Sit up to 7 hours per day
- Stand up to 2 hours per day
- Walk up to 2 hours per day
- Drive up to 1 hour per day
- Occasionally lift up to 50 lbs.
- Occasionally bend, squat, reach, climb, kneel, or twist