



Electrical Engineer In Training (E.I.T.)

Position Description
Uncontrolled Copy
December 2025

Reports To: Director of Engineering and Environment

Direct Reports: N/A

Indirect Reports: All Trigon Employees and Contractors

Position Summary:

Trigon provides an excellent learning and growth environment for new engineering graduates. Our growing Engineering team is well experienced in material handling and terminal management equipment. You will assist in various electrical capital, investment and improvement projects, and contribute to the technical competence and operation requirements of the facility.

The goal of our E.I.T. program is to develop future engineering resources for our organization while providing support to other engineering disciplines and the various teams at the terminal.

As an E.I.T, you will manage or help lead various capital and non-capital investment and improvement projects in collaboration with the Trigon Engineering team and contribute to the success of the terminal.

Specific Responsibilities Include:

- Confer with engineers, contractor, and consultants to discuss existing or potential engineering projects and products.
- Manage small projects and deliver to the stakeholders a finished projects in a safe and timely manner.
- Supervises the installation of equipment and troubleshoot flaws or malfunctions.
- Engage in the design, implementation, maintenance, and improvements of the electrical instruments, equipment, facilities, components, products, and systems.
- Operate computer-assisted engineering and design software and equipment to perform engineering tasks.
- Evaluate electrical systems, products, components, and applications by designing and conducting research programs; applying knowledge of electricity and materials.
- Confirm system and components' capabilities by designing electrical testing methods; testing finished products and system capabilities.
- Assemble bid, approval, and construction issue drawing packages.
- Develop detailed electrical drawings and update single line diagrams as needed.
- Participate in facility evaluations and present technical reports
- Complete projects by training and guiding technicians and facility personnel.



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- Maintain professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.
- Direct and coordinate contractor, construction and maintenance crews and support
- Document testing activities to ensure compliance with specifications, codes, and regulatory requirements.
- Inspect completed installations and observe operations, to ensure conformance to design and equipment specifications and compliance with operational and safety standards.
- Plan and implement research methodology and procedures to apply principles of electrical theory to engineering projects.
- Test equipment and isolate defects in a manufacturing facility
- Create best routes for power supplies.
- Evaluate the effectiveness of the design and change if necessary.
- Attend or lead meetings on site or offsite; Prepare complete design and technical equipment specification documents
- Actively perpetuate and embody Trigon and engineering department culture and values.

Additional Skills:

Good interpersonal skills; a person who listens well, respects diversity of opinions, and has an open, clear, and clear communication style.

Effective organizational and time management skills in handling multiple projects, performing a variety of tasks, and meeting required deadlines.

Ability to represent the Trigon engineering department to production employees and other staff, by ensuring the best image is presented.

Have great understanding and exhibits competency in engineering calculations and principles with accurate, clear design notes.

Ability to interpret complex multi-disciplinary drawings and complex plan and profile drawings.

Have valid driver's license and own transportation.

Education/Professional Membership

- Must hold an Electrical Engineering Bachelor's Degree from an accredited university
- Must be enrolled or eligible to enroll with EGBC and be in a good standing order



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Qualifications:

You must possess extensive knowledge in the following:

- Electronic systems and PLC programming capabilities.
- Electronics troubleshooting and testing knowledge.
- AC/DC motor and drive systems
- Low and medium voltage power distribution calculation and design
- Background in project management
- Must be proficient in the use of:
 - CAD drafting (AutoDesk products, AutoCAD, E-plan is an asset)
 - Electrical equipment selection and specification
 - electrical design details
 - Auxiliary systems used in an industrial manufacturing environment