Dear Students

If you are interest, send your application to Ms Petrina Sim @ PSim1@ra.rockwell.com.

---

**Test Engineer I**

Responsible for manufacturing test development and support for new product development (NPI), continuation engineering product changes and productivity projects.

**Summary:**

Develop and implement cost-effective automated methods of testing and troubleshooting manufactured product including electronic assemblies and final assemblies. The test equipment consists of electrical, electronic, mechanical measurement and controls, mechanical fixtures and test software which are used in global manufacturing facilities to produce Rockwell Automation products.

**Responsibilities:**

- Participate in the new product design evaluation process. Provide design for test feedback and or requirements to the product team during the design development to assure testability and test coverage. Based on the design requirements develop a plan to test completed assemblies. Manage and communicate project timelines and action plans effectively to delivery cost effective test solutions on schedule and budget.
- Help implement production and test strategies to meet financial objectives. Maintain and track project financials and timelines to meet the assigned project deliverables.
- Develop and implement strategies for the procurement and installation of all final functional test related capital equipment required for Rockwell production facilities.
- Responsible for designing small electrical systems, properly sizing components and working with vendors to develop test fixtures. With guidance from a more senior engineer, select proper PLC components and test instrumentation based on product test requirements to ensure a safe, reliable, manufacturing test system.
- Develop and debug test software to control the electrical and mechanical components of the functional test system to provide a robust, reliable and repeatable manufacturing test system.
- Create and release documentation on all aspects of the test solution.
  - Test specification to document product testing and coverage.
  - System wiring schematics in AutoCAD Electrical.
  - System BOM (Bill of Materials).
Create User’s guide to assist plant engineering with long term support.
Test software stored released into appropriate source control location

Requirements:

• Bachelor’s degree in electronics or electrical engineering with concentration in power electrical, microelectronics or info communication.
• Experience developing and implementing software using languages or platforms such as C, C++, C#, NI Test Stand, Visual Basic, PLC, etc.
• Candidate must have the ability to read and interpret new product designs consisting of electronic circuit schematics, electrical and mechanical equipment design drawings, bills of materials, design and functional specifications.
• Knowledge of electronic hardware.
• Excellent troubleshooting, analysis, and problem solving skills.
• Good written and verbal communications in English.
• Proficient using Microsoft Office programs.