



Example of Systems Integration & Test Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of systems integration & test engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for systems integration & test engineer

- Synthesize internal and external customer needs and requirements into component and system tests that acknowledge technical and schedule constraints
- Participate in the development and execution of comprehensive test plans, procedures, and schedules for verifying system requirements
- Participate in I&T readiness reviews, design reviews and conducts audits of I&T program facilities
- Coordinate integrated testing activities that may include environmental, reliability and the occasional flight test
- Review and evaluates test requirements to ensure completeness of test program
- Perform analysis of test results and prepares comprehensive reports
- Use modeling and simulation tools to expedite testing of individual units before all system components are available and for troubleshooting and repair of failed units
- Lead various instrument integration and test efforts and be responsible for the resolution of all technical and schedule issues associated with that element
- Specific duties will include development of Digital, Ground and Flight Test event strategies to assess key capabilities for system operational fielding
- Specific duties will include integration planning of the BMDS and development of integration strategies to assess key capabilities for system

Qualifications for systems integration & test engineer

- Will be responsible for working with associated Systems Engineering (SE) teams, Test Organizations, Warfighters and Element Program focals to ensure scenario development meets scenario design intent for system ground test events, including details of system capabilities, behaviors, scenarios, data collection and characterization points to support current and proposed BMDS functionality and architectures
- Active, final Secret Security Clearance
- Knowledge of ground test design for a complex missile defense program
- Knowledge of System Engineering for test campaign and test event design processes and tools is required
- Additionally, familiarity with complex systems assessment, system level interface design and specifications is required
- Experience and understanding is required for system level behaviors and performance characterization and metrics that are traditionally demonstrated in system level test events