



**GENERAL SERVICES ADMINISTRATION
Federal Supply Service
Authorized Federal Supply Schedule Price List**

PROFESSIONAL ENGINEERING SERVICES (PES)

FSC GROUP 87, FSC CLASS 871

Special Item Numbers

871-3 – System Design, Engineering and Integration

871-4 – Test and Evaluation

Primary Engineering Disciplines

Electrical and Mechanical for all Special Item Numbers

Contract Administration: John Hart, Sr. Contracts Administrator

john.hart@cta.com

Business Size: Large Business

Computer Technology Associates, Inc.

12530 Parklawn Drive, Suite 300

Rockville, MD 20852

Phone: (301) 581-3244 Fax: (301) 581-3201

Internet Address: www.cta.com

CONTRACT NUMBER:

GS-23F-0023S

PERIOD COVERED BY CONTRACT:

November 9, 2005 through November 8, 2010

On-line access to contract ordering information, terms and conditions, up-to-date pricing and the option to create an electronic delivery order are available through GSA *Advantage!*, a menu-driven database system, by accessing www.gsaadvantage.gov.

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OVERVIEW AND INFORMATION

1. Authorized Special Item Numbers (SINs):
Special Item No. 871-3 System Design, Engineering and Integration
Special Item No. 871-4 Test and Evaluation
2. Maximum order: **\$750,000/SIN**
3. Minimum order: **\$100.00**
4. Geographic coverage (delivery area): **Nationwide**
5. Point(s) of production (city, county, and state or foreign country): **Not applicable**
6. Discount from list prices or statement of net price: **Prices listed are net**
7. Quantity discounts: **None**
8. Prompt payment terms: **None**
- 9a. Notification that Government purchase cards are accepted below the micropurchase threshold (\$2,500): **Yes**
- 9b. Notification that Government purchase cards are accepted above the micropurchase threshold (\$2,500): **Yes**
10. Foreign items: **None**
- 11a. Time of Delivery: **As negotiated**
- 11b. Expedited Delivery: **Not applicable**
- 11c. Overnight and 2-day delivery: **Not applicable**
- 11d. Urgent Requirements: **Not applicable**
12. F.O.B. point(s): **Not applicable**
13. Ordering address:
Computer Technology Associates, Inc.
12530 Parklawn Drive, Suite 300
Rockville, MD 20852
14. Payment address:
Computer Technology Associates, Inc.
12530 Parklawn Drive, Suite 300
Rockville, MD 20852

15. Warranty provision: **Not applicable**
16. Export packing charges, if applicable: **Not applicable**
17. Terms and conditions of Government purchase card acceptance (any thresholds above the micropurchase level): **Yes**
18. Terms and conditions of rental, maintenance and repair: **Not applicable**
19. Terms and conditions of installation: **Not applicable**
- 20a. Terms and conditions of repair parts: **Not applicable**
- 20b. Terms and conditions for any other services: **Not applicable**
21. List of service and distribution points: **Not applicable**
22. List of participating dealers: **Not applicable**
23. Preventive maintenance: **Not applicable**
24. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: **Not applicable**
25. Data Universal Number System (DUNS) number: **09-991-0788**
26. Notification regarding registration in Central Contractor Registration (CCR) database: **Computer Technology Associates, Inc. is registered in the Central Contractor Registration database (CAGE Code 0LYY7).**

SPECIAL ITEM NUMBER (SIN) DESCRIPTIONS

SIN 871-3 SYSTEM DESIGN, ENGINEERING AND INTEGRATION

Services required under this SIN involve the translation of a system (or subsystem, program, project, activity) concept into a preliminary and detailed design (engineering plans and specifications), performing risk identification/analysis/mitigation, traceability, and then integrating the various components to produce a working prototype or model of the system. Typical associated tasks include, but are not limited to computer-aided design, design studies and analysis, high level detailed specification preparation, configuration management and document control, fabrication, assembly and simulation, modeling, training, privatization and outsourcing.

Example: The navigation satellite concept produced in the preceding stage will be converted to a detailed engineering design package, performance will be computer simulated and a working model will be built for testing and design verification.

Architect-Engineering (A/E) Services as that term is defined in [FAR 36.601-3](#) are excluded from the PES Schedule. If the agency's statement of work, substantially or to a dominant extent, specifies performance or approval by a registered or licensed architect or engineer for services related to real property, the Brooks Architect-Engineers Act applies and such services must be procured in accordance with FAR Part 36. Use of this schedule for Brooks Act architectural or engineering services is not authorized. Inappropriate use of this SIN is providing professional engineering services not specifically related to system design, engineering and integration and associated disciplines.

SIN 871-4 TEST AND EVALUATION

Services required under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training, privatization and outsourcing.

Example: The navigation satellite-working model will be subjected to a series of tests, which may simulate and ultimately duplicate its operational environment.

Architect-Engineering (A/E) Services as that term is defined in [FAR 36.601-3](#) are excluded from the PES Schedule. If the agency's statement of work, substantially or to a dominant extent, specifies performance or approval by a registered or licensed architect or engineer for services related to real property, the Brooks Architect-Engineers Act applies and such services must be procured in accordance with FAR Part 36. Use of this schedule for Brooks Act architectural or engineering services is not authorized. Inappropriate use of this SIN is providing professional engineering services not specifically related to testing and evaluating and associated disciplines.

COMPUTER TECHNOLOGY ASSOCIATES, INC. ENGINEERING LABOR
CATEGORIES & RATES

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| CAD Drafter | Transforms initial rough product designs using computer aided design (CAD) into working documents. Reviews engineering drawing and designs to ensure adherence to established specifications and standards. May require an associate's degree in a related area and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager. |
| CAD Drafter - Sr | Transforms initial rough product designs using computer aided design (CAD) into working documents. Reviews engineering drawing and designs to ensure adherence to established specifications and standards. May require an associate's degree in a related area and at least 4 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May direct and lead the work of others. Typically reports to a manager or head of a unit/department. A wide degree of creativity and latitude is expected. |
| Configuration Analyst I | Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and 0-3 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor. |
| Configuration Analyst II | Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor. |

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| Configuration Analyst III | Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and 4-7 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. |
| Configuration Analyst IV | Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and 7-10 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager. |
| Configuration Analyst V | Analyzes changes of product design to determine the effect on the end product design and function and determines and prepares documentation necessary for change. Coordinates with customers and manufacturers to determine a process for change reporting. Reviews released engineering change data and changes documenting activities to ensure adherence to configuration management procedures and policies. Typically requires at least a bachelor's degree in area of specialty and at least 10 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager. |
| Contract Administrator Manager | Prepares proposals, negotiates contracts, and administers commercial and government contracts in accordance with company policies and legal requirements. Requires a bachelor's degree with at least 5 years of experience in the field. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to top management. |
| Electric/Electronics Technician I | Constructs, maintains, and tests electrical systems and components. Requires a high school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require 0-3 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager. |

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| <p>Electric/Electronics Technician II</p> | <p>Constructs, maintains, and tests electrical systems and components. Requires a high school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager. A certain degree of creativity and latitude is required.</p> |
| <p>Electric/Electronics Technician III</p> | <p>Constructs, maintains, and tests electrical systems and components. Requires a high school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require at least 5 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Typically reports to a supervisor or manager. A wide degree of creativity and latitude is expected.</p> |
| <p>Electrical Engineer I</p> | <p>Designs, develops, and tests all aspects of electrical components, equipment, and machinery. May use computer-assisted engineering and design software and equipment to perform assignments. Applies principles and techniques of electrical engineering to accomplish goals. Requires a bachelor's degree in engineering and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.</p> |
| <p>Electrical Engineer IV</p> | <p>Designs, develops, and tests all aspects of electrical components, equipment, and machinery. May use computer-assisted engineering and design software and equipment to perform assignments. Applies principles and techniques of electrical engineering to accomplish goals. Requires a bachelor's degree in engineering and 6-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.</p> |
| <p>Electrical Engineer V</p> | <p>Designs, develops, and tests all aspects of electrical components, equipment, and machinery. May use computer-assisted engineering and design software and equipment to perform assignments. Applies principles and techniques of electrical engineering to accomplish goals. Requires a bachelor's degree in engineering and at least 8-10 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May provide consultation on complex projects and is considered to be the top level contributor/specialist. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.</p> |
| <p>Electronics Eng - Assoc</p> | <p>Under direct supervision, performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of electronic apparatus, components, or circuitry for use in electronic equipment and devices. Analyzes equipment to establish operating data and conduct experimental tests. This is usually the starting engineering classification. Typically requires a Bachelor's degree and no prior experience.</p> |

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| Electronics Eng - Int | Under general supervision, performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of electronic apparatus, components, or circuitry for use in electronic equipment and devices. Analyzes equipment to establish operating data and conduct experimental tests. This classification includes engineers who are capable of handling complex engineering assignments. Typically requires a Bachelor's degree and two to four years of experience. |
| Electronics Eng - Sr | Under general direction, responsible for the engineering part of a major project or an entire project of lesser complexity than those normally assigned to level IV engineers. Performs engineering work and applied research, development, and design of new products. Work includes design, fabrication, modification, and evaluation of electronic apparatus, components, or circuitry for use in electronic equipment and devices. Analyzes equipment to establish operating data and conduct experimental tests. May provide technical supervision to lower level engineers and other technical personnel. May be responsible for the administrative duties of a small work group, although the engineering work performed is more important than the supervision aspect. Typically requires a Bachelor's degree and four to five years of experience. |
| Engineering Technician | Under general supervision, performs technical functions supporting engineering activities. Technical functions may include, but are not limited to, designing, testing, modifying, fabricating, and assembling specialized test equipment and experimental design circuitry. Has complete understanding of technical testing standards and specifications. Documents test results on data sheets and test reports. Maintains lab area and test equipment in proper condition. Applies knowledge of the position and company policies and principles to complete a wide variety of tasks. Typically requires a Bachelor's degree and two to four years of experience. |
| Hardware Design Eng Dir | Directs the hardware design/engineering function. Independently conceives of programs and problems to be investigated. Provides policy level direction regarding standards for hardware system specifications. May assign personnel to projects and direct their activities. Plans, coordinates, and monitors all phases of multiple projects. Accountable for project expenditures, budgets, and timelines. May provide input on staff selection, training, rating, discipline, and remuneration programs. Typically in larger organizations this is a senior level manager. Frequently reports to a Chief Technology Officer or Information Systems Executive. |
| Hardware Design Eng Mgr | Manages a work group composed of eight to ten design engineers engaged in a variety of hardware engineering activities. Has responsibility for all phases of project planning and control including schedules, budgets, resource allocation, and results. Decisions are not usually subject to review. Performance is evaluated based on adherence to time schedules, budgets, soundness of approach, and general effectiveness. Typically requires a Bachelor's degree in engineering or applied science, or equivalent and six to eight years of experience. |
| Hardware Engineer - I | Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager. |

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| Hardware Engineer - II | Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. |
| Hardware Engineer - III | Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree and 4-5 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |
| Hardware Engineer - IV | Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree and 5-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |
| Hardware Engineer - V | Provides analysis related to the design, development, and implementation of hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring. May require a bachelor's degree and at least 8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |
| Mechanical Engineer - I | Designs, develops, and tests all aspects of mechanical components, equipment, and machinery. Applies knowledge of engineering principles to design products such as engines, instruments, controls, robots, machines, etc. May be involved in fabrication, operation, application, installation, and/or repair of mechanical products. May require a bachelor's degree in engineering and 0-3 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager. |

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| Mechanical Engineer - II | Designs, develops, and tests all aspects of mechanical components, equipment, and machinery. Applies knowledge of engineering principles to design products such as engines, instruments, controls, robots, machines, etc. May be involved in fabrication, operation, application, installation, and/or repair of mechanical products. Requires a bachelor's degree in engineering and 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager. A certain degree of creativity and latitude is required. |
| Mechanical Engineer - III | Designs, develops, and tests all aspects of mechanical components, equipment, and machinery. Applies knowledge of engineering principles to design products such as engines, instruments, controls, robots, machines, etc. May be involved in fabrication, operation, application, installation, and/or repair of mechanical products. Requires a bachelor's degree in engineering and 4-6 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May report to an executive or a manager. A wide degree of creativity and latitude is expected. |
| Mechanical Engineer - IV | Designs, develops, and tests all aspects of mechanical components, equipment, and machinery. Applies knowledge of engineering principles to design products such as engines, instruments, controls, robots, machines, etc. May be involved in fabrication, operation, application, installation, and/or repair of mechanical products. Requires a bachelor's degree in engineering and 5-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |
| Mechanical Engineer - V | Designs, develops, and tests all aspects of mechanical components, equipment, and machinery. Applies knowledge of engineering principles to design products such as engines, instruments, controls, robots, machines, etc. May be involved in fabrication, operation, application, installation, and/or repair of mechanical products. Requires a bachelor's degree in engineering and at least 8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |
| Mechanical Engineer Supervisor - I | Oversees the designing of engines, tools, and other mechanical equipment and industrial processes. Also responsible for supervising the production, operation, repair and maintenance of equipment. May work with other engineering departments to aid in the development and usage of robotics to improve productivity. A level I supervisor is considered a working supervisor with little authority for personnel actions. May require a bachelor's degree in area of specialty. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. |

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| <p>Mechanical Engineer Supervisor - II</p> | <p>Oversees the designing of engines, tools, and other mechanical equipment and industrial processes. Also responsible for supervising the production, operation, repair and maintenance of equipment. May work with other engineering departments to aid in the development and usage of robotics to improve productivity. A level II supervisor has authority for personnel actions and oversees most day to day operations of group. May require a bachelor's degree in area of specialty. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.</p> |
| <p>Mechanical Engineer Supervisor - III</p> | <p>Oversees the designing of engines, tools, and other mechanical equipment and industrial processes. Also responsible for supervising the production, operation, repair and maintenance of equipment. May work with other engineering departments to aid in the development and usage of robotics to improve productivity. A level III supervisor has full authority and may be considered lower middle management. May require a bachelor's degree in area of specialty. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.</p> |
| <p>Program Manager</p> | <p>Identifies research and development areas that should be investigated. Responsible for attaining laboratory or department research, marketing, fiscal and staffing goals to conform to organization goals. Establishes operating procedures, practices and guidelines and communicates them with laboratory or department personnel. Establishes, monitors and controls schedules and project budgets. Plans, organizes and manages work of research and support staff. Responsible for negotiation or research contracts. Plans and manages business development and marketing activities for laboratory or department. Develops solutions to complex research problems. Typically requires a Ph.D. and ten to fifteen years of progressively responsible experience.</p> |
| <p>Quality Assurance Engineer I</p> | <p>Performs inspections and sets quality assurance testing models for analysis of raw materials, materials in process, and finished products. Requires a bachelor's degree and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.</p> |
| <p>Quality Assurance Engineer II</p> | <p>Performs inspections and sets quality assurance testing models for analysis of raw materials, materials in process, and finished products. Requires a bachelor's degree and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager. A certain degree of creativity and latitude is required.</p> |

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| <p>Quality Assurance Engineer III</p> | <p>Performs inspections and sets quality assurance testing models for analysis of raw materials, materials in process, and finished products. Requires a bachelor's degree and 4-6 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May report to an executive or a manager. A wide degree of creativity and latitude is expected.</p> |
| <p>Quality Assurance Engineer IV</p> | <p>Performs inspections and sets quality assurance testing models for analysis of raw materials, materials in process, and finished products. Requires a bachelor's degree in area of specialty and 6-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. May report to an executive or a manager.</p> |
| <p>Quality Assurance Engineer V</p> | <p>Performs inspections and sets quality assurance testing models for analysis of raw materials, materials in process, and finished products. Requires a bachelor's degree in area of specialty and at least 8-10 years of experience in the field or in a related area. Demonstrates expertise in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May provide consultation on complex projects and is considered to be the top level contributor/specialist. A wide degree of creativity and latitude is expected. May report to an executive or a manager.</p> |
| <p>Quality Assurance Engineering Manager</p> | <p>Responsible for the effective development and implementation of programs to ensure that all information systems products and services meet minimum organization standards and end-user requirements. Administers change control process for zero defect software development. Ensures adequate product testing prior to implementation. Administers problem management process including monitoring and reporting on problem resolution. Makes recommendations to superiors regarding the acquisition and/or implementation of software to increase information systems efficiency. Assigns work to subordinates, monitors performance, and conducts performance appraisals. Interviews and makes recommendations for additional staff. Frequently reports to an Information Systems Executive or Information Systems Operations Director.</p> |
| <p>Quality Control Inspector - I</p> | <p>Performs inspections, checks, and tests for quality control for the manufacture of products. Requires a high school diploma or its equivalent and 0-2 years of related experience. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor.</p> |
| <p>Quality Control Inspector - II</p> | <p>Performs inspections, checks, and tests for quality control for the manufacture of products. Requires a high school diploma or its equivalent and 2-5 years of related experience. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor.</p> |

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| Quality Control Inspector - III | Performs inspections, checks, and tests for quality control for the manufacture of products. Requires a high school diploma or its equivalent and 5-6 years of related experience. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor. |
| Quality Control Inspector - IV | Performs inspections, checks, and tests for quality control for the manufacture of products. Requires a high school diploma or its equivalent and at least 6 years of related experience. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor. |
| Systems Engineer - Associate | Entry level position that works under direct supervision. Assists experienced systems engineers. Frequently reports to a Senior Systems Engineer or Systems Engineering Manager. Typically requires a Bachelor's degree and less than two years of experience. |
| Systems Engineer - Intermediate | Under general supervision, provides technical support to sales force during sales negotiation. Configures hardware, software, and design application requirements of products offered to customers to meet their requirements. Resolves complex technical issues with guidance from senior engineers. Frequently reports to a Systems Engineering Manager. Typically requires a Bachelor's degree and two to four years of experience. |
| Systems Engineer - Senior | Under general direction, supports sales force as a technical expert during sales negotiation. Configures hardware, software, and design application requirements of products offered to customers to meet their requirements. Resolves complex technical issues. Frequently reports to a Systems Engineering Manager. Typically requires a Bachelor's degree and four or more years of experience. |
| Systems Engineering Manager | Provides support in a region or district during major sales negotiation, offers technical solutions to resolve complex system installation requirements and application design issues. Selects and assigns project team members for each installation and ensures timely completion within budget, deadline, and customer requirements. Typically requires a Bachelor's degree and five to seven years of experience. |
| Test Engineer I | Evaluates, recommends, and implements automated test tools and strategies. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager. |

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| Test Engineer II | Evaluates, recommends, and implements automated test tools and strategies. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. May require a bachelor's degree in area of specialty and 2-4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor or manager. |
| Test Engineer III | Evaluates, recommends, and implements automated test tools and strategies. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. May require a bachelor's degree and 4-6 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager. |
| Test Engineer IV | Evaluates, recommends, and implements automated test tools and strategies. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. May require a bachelor's degree and 5-8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager. |
| Test Engineer Manager I | Responsible for managing the evaluation, recommendation, and implementation of automated testing tools and strategies. Monitors the development, maintenance, and upgrading of automated test scripts and architectures for application products. Also responsible for overseeing the analysis of test cases and ensuring the provision of regular progress reports. Ensures projects are completed on time and within budget. Acts as advisor to test engineering team regarding projects, tasks, and operations. Requires a bachelor's degree and 7-10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required. Typically reports to a unit/department head. |

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| <p>Test Engineer Manager II</p> | <p>Responsible for managing the evaluation, recommendation, and implementation of automated testing tools and strategies. Monitors the development, maintenance, and upgrading of automated test scripts and architectures for application products. Also responsible for overseeing the analysis of test cases and ensuring the provision of regular progress reports. Ensures projects are completed on time and within budget. Acts as advisor to test engineering team regarding projects, tasks, and operations. Requires a bachelor's degree and at least 10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required. Typically reports to a unit/department head.</p> |
| <p>Test Engineer V</p> | <p>Evaluates, recommends, and implements automated test tools and strategies. Develops, maintains, and upgrades automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. May require a bachelor's degree and at least 8 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. May lead and direct the work of others. A wide degree of creativity and latitude is expected. Typically reports to a supervisor or manager.</p> |
| <p>Top Knowledge Learning Executive</p> | <p>Responsible for ensuring that all employees have access to vital business information and knowledge. Identifies the organization's technological and business strengths, establishes data systems that leverage and capitalize on the knowledge of employees, a knowledge management strategy and structure for knowledge availability. Identifies best practices throughout the organization and communicates and implements these practices. Provides overall technical and financial direction to the knowledge management function. Develops controls, budgets, and measurements to monitor progress. Frequently reports to a Chief Executive Officer, Chief Information Officer, or Chief Financial Officer.</p> |

Contractor Site

| Labor Categories | <u>GSA Price</u> | <u>GSA Price</u> | <u>GSA Price</u> | <u>GSA Price</u> | <u>GSA Price</u> |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | <u>11/9/05- 11/8/06</u> | <u>11/9/06- 11/8/07</u> | <u>11/9/07- 11/8/08</u> | <u>11/9/08- 11/8/09</u> | <u>11/9/09- 11/8/10</u> |
| CAD Drafter | \$49.95 | \$51.70 | \$53.51 | \$55.38 | \$57.32 |
| Configuration Analyst I | \$54.65 | \$56.56 | \$58.54 | \$60.59 | \$62.71 |
| Configuration Analyst II | \$67.50 | \$69.86 | \$72.30 | \$74.83 | \$77.45 |
| Configuration Analyst III | \$69.78 | \$72.23 | \$74.75 | \$77.37 | \$80.08 |
| Configuration Analyst IV | \$92.36 | \$95.59 | \$98.94 | \$102.40 | \$105.98 |
| Contract Administrator Manager | \$99.96 | \$103.46 | \$107.08 | \$110.82 | \$114.70 |
| Electric/Electronics Technician I | \$40.69 | \$42.12 | \$43.59 | \$45.12 | \$46.70 |
| Electric/Electronics Technician II | \$60.63 | \$62.75 | \$64.95 | \$67.22 | \$69.58 |
| Electric/Electronics Technician III | \$65.41 | \$67.70 | \$70.07 | \$72.52 | \$75.06 |
| Electrical Engineer I | \$65.41 | \$67.70 | \$70.07 | \$72.52 | \$75.06 |
| Electrical Engineer II | \$77.18 | \$79.88 | \$82.68 | \$85.57 | \$88.56 |
| Electrical Engineer III | \$94.26 | \$97.56 | \$100.97 | \$104.50 | \$108.16 |
| Electrical Engineer IV | \$100.77 | \$104.30 | \$107.95 | \$111.73 | \$115.64 |
| Electrical Engineer V | \$115.32 | \$119.36 | \$123.53 | \$127.86 | \$132.33 |
| Electronics Eng - 1 | \$65.41 | \$67.70 | \$70.07 | \$72.52 | \$75.06 |
| Electronics Eng - 2 | \$81.90 | \$84.76 | \$87.73 | \$90.80 | \$93.98 |
| Electronics Eng - 3 | \$94.26 | \$97.56 | \$100.97 | \$104.50 | \$108.16 |
| Engineering Technician | \$60.63 | \$62.75 | \$64.95 | \$67.22 | \$69.58 |
| Hardware Design Eng Mgr | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Hardware Engineer - I | \$60.63 | \$62.75 | \$64.95 | \$67.22 | \$69.58 |
| Hardware Engineer - II | \$77.18 | \$79.88 | \$82.68 | \$85.57 | \$88.56 |
| Hardware Engineer - III | \$82.49 | \$85.38 | \$88.37 | \$91.46 | \$94.66 |
| Hardware Engineer - IV | \$92.73 | \$95.97 | \$99.33 | \$102.81 | \$106.40 |
| Hardware Engineer - V | \$105.74 | \$109.44 | \$113.27 | \$117.23 | \$121.34 |
| Mechanical Engineer - V | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Mechanical Engineer Supervisor | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Program Manager | \$160.53 | \$166.15 | \$171.96 | \$177.98 | \$184.21 |
| Quality Assurance Engineer I | \$67.50 | \$69.86 | \$72.30 | \$74.83 | \$77.45 |
| Quality Assurance Engineer II | \$69.78 | \$72.23 | \$74.75 | \$77.37 | \$80.08 |
| Quality Assurance Engineer III | \$85.47 | \$88.46 | \$91.56 | \$94.77 | \$98.08 |
| Quality Assurance Engineer IV | \$91.56 | \$94.77 | \$98.08 | \$101.51 | \$105.07 |
| Quality Assurance Engineer V | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Quality Assurance Engineering Manager | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Quality Control Inspector - I | \$40.69 | \$42.12 | \$43.59 | \$45.12 | \$46.70 |
| Quality Control Inspector - II | \$44.35 | \$45.90 | \$47.51 | \$49.17 | \$50.89 |
| Systems Engineer - 1 | \$68.76 | \$71.17 | \$73.66 | \$76.24 | \$78.91 |
| Systems Engineer - 2 | \$88.25 | \$91.34 | \$94.54 | \$97.85 | \$101.27 |
| Systems Engineer -3 | \$105.74 | \$109.44 | \$113.27 | \$117.23 | \$121.34 |

Contractor Site

| Labor Categories | <u>GSA Price</u> <u>11/9/05-</u> <u>11/8/06</u> | <u>GSA Price</u> <u>11/9/06-</u> <u>11/8/07</u> | <u>GSA Price</u> <u>11/9/07-</u> <u>11/8/08</u> | <u>GSA Price</u> <u>11/9/08-</u> <u>11/8/09</u> | <u>GSA Price</u> <u>11/9/09-</u> <u>11/8/10</u> |
|---|--|--|--|--|--|
| Systems Engineering Mgr | \$123.63 | \$127.96 | \$132.44 | \$137.07 | \$141.87 |
| Test Engineer I | \$67.50 | \$69.86 | \$72.30 | \$74.83 | \$77.45 |
| Test Engineer II | \$77.18 | \$79.88 | \$82.68 | \$85.57 | \$88.56 |
| Test Engineer III | \$85.47 | \$88.46 | \$91.56 | \$94.77 | \$98.08 |
| Test Engineer IV | \$91.56 | \$94.77 | \$98.08 | \$101.51 | \$105.07 |
| Test Engineer Manager I | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Test Engineer Manager II | \$180.49 | \$186.80 | \$193.34 | \$200.11 | \$207.11 |
| Test Engineer V | \$111.87 | \$115.78 | \$119.83 | \$124.03 | \$128.37 |
| Top Knowledge Learning Executive | \$283.26 | \$293.18 | \$303.44 | \$314.06 | \$325.05 |

Government Site

| Labor Categories | <u>GSA Price</u> <u>11/9/05-</u> <u>11/8/06</u> | <u>GSA Price</u> <u>11/9/06-</u> <u>11/8/07</u> | <u>GSA Price</u> <u>11/9/07-</u> <u>11/8/08</u> | <u>GSA Price</u> <u>11/9/08-</u> <u>11/8/09</u> | <u>GSA Price</u> <u>11/9/09-</u> <u>11/8/10</u> |
|--|--|--|--|--|--|
| CAD Drafter | \$45.75 | \$47.35 | \$49.01 | \$50.72 | \$52.50 |
| Configuration Analyst I | \$50.05 | \$51.81 | \$53.62 | \$55.50 | \$57.44 |
| Configuration Analyst II | \$61.82 | \$63.99 | \$66.23 | \$68.55 | \$70.94 |
| Configuration Analyst III | \$63.92 | \$66.16 | \$68.47 | \$70.87 | \$73.35 |
| Configuration Analyst IV | \$84.60 | \$87.56 | \$90.62 | \$93.79 | \$97.08 |
| Contract Administrator Manager | \$91.56 | \$94.76 | \$98.08 | \$101.51 | \$105.06 |
| Electric/Electronics Technician I | \$37.27 | \$38.58 | \$39.93 | \$41.33 | \$42.77 |
| Electric/Electronics Technician II | \$55.54 | \$57.48 | \$59.49 | \$61.57 | \$63.73 |
| Electric/Electronics Technician III | \$59.92 | \$62.01 | \$64.18 | \$66.43 | \$68.75 |
| Electrical Engineer I | \$59.92 | \$62.01 | \$64.18 | \$66.43 | \$68.75 |
| Electrical Engineer II | \$70.69 | \$73.17 | \$75.73 | \$78.38 | \$81.12 |
| Electrical Engineer III | \$86.34 | \$89.36 | \$92.49 | \$95.72 | \$99.07 |
| Electrical Engineer IV | \$92.31 | \$95.54 | \$98.88 | \$102.34 | \$105.92 |
| Electrical Engineer V | \$105.63 | \$109.33 | \$113.15 | \$117.11 | \$121.21 |
| Electronics Eng - 1 | \$59.92 | \$62.01 | \$64.18 | \$66.43 | \$68.75 |
| Electronics Eng - 2 | \$75.02 | \$77.64 | \$80.36 | \$83.17 | \$86.08 |
| Electronics Eng - 3 | \$86.34 | \$89.36 | \$92.49 | \$95.72 | \$99.07 |
| Engineering Technician | \$55.54 | \$57.48 | \$59.49 | \$61.57 | \$63.73 |
| Hardware Design Eng Mgr | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Hardware Engineer - I | \$55.54 | \$57.48 | \$59.49 | \$61.57 | \$63.73 |
| Hardware Engineer - II | \$70.69 | \$73.17 | \$75.73 | \$78.38 | \$81.12 |
| Hardware Engineer - III | \$75.56 | \$78.20 | \$80.94 | \$83.77 | \$86.71 |
| Hardware Engineer - IV | \$84.93 | \$87.91 | \$90.98 | \$94.17 | \$97.46 |
| Hardware Engineer - V | \$96.85 | \$100.24 | \$103.75 | \$107.38 | \$111.14 |
| Mechanical Engineer - V | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Mechanical Engineer Supervisor | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Program Manager | \$147.04 | \$152.18 | \$157.51 | \$163.02 | \$168.73 |
| Quality Assurance Engineer I | \$61.82 | \$63.99 | \$66.23 | \$68.55 | \$70.94 |
| Quality Assurance Engineer II | \$63.92 | \$66.16 | \$68.47 | \$70.87 | \$73.35 |
| Quality Assurance Engineer III | \$78.29 | \$81.03 | \$83.87 | \$86.80 | \$89.84 |
| Quality Assurance Engineer IV | \$83.87 | \$86.80 | \$89.84 | \$92.98 | \$96.24 |
| Quality Assurance Engineer V | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Quality Assurance Engineering Manager | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Quality Control Inspector - I | \$37.27 | \$38.58 | \$39.93 | \$41.33 | \$42.77 |
| Quality Control Inspector - II | \$40.62 | \$42.05 | \$43.52 | \$45.04 | \$46.62 |
| Systems Engineer - 1 | \$62.98 | \$65.19 | \$67.47 | \$69.83 | \$72.28 |
| Systems Engineer - 2 | \$80.84 | \$83.66 | \$86.59 | \$89.62 | \$92.76 |
| Systems Engineer -3 | \$96.85 | \$100.24 | \$103.75 | \$107.38 | \$111.14 |

Government Site

| Labor Categories | <u>GSA Price</u> <u>11/9/05-</u> <u>11/8/06</u> | <u>GSA Price</u> <u>11/9/06-</u> <u>11/8/07</u> | <u>GSA Price</u> <u>11/9/07-</u> <u>11/8/08</u> | <u>GSA Price</u> <u>11/9/08-</u> <u>11/8/09</u> | <u>GSA Price</u> <u>11/9/09-</u> <u>11/8/10</u> |
|---|--|--|--|--|--|
| Systems Engineering Mgr | \$113.24 | \$117.21 | \$121.31 | \$125.56 | \$129.95 |
| Test Engineer I | \$61.82 | \$63.99 | \$66.23 | \$68.55 | \$70.94 |
| Test Engineer II | \$70.69 | \$73.17 | \$75.73 | \$78.38 | \$81.12 |
| Test Engineer III | \$78.29 | \$81.03 | \$83.87 | \$86.80 | \$89.84 |
| Test Engineer IV | \$83.87 | \$86.80 | \$89.84 | \$92.98 | \$96.24 |
| Test Engineer Manager I | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Test Engineer Manager II | \$165.32 | \$171.11 | \$177.09 | \$183.29 | \$189.71 |
| Test Engineer V | \$102.47 | \$106.05 | \$109.76 | \$113.61 | \$117.58 |
| Top Knowledge Learning Executive | \$259.46 | \$268.54 | \$277.94 | \$287.67 | \$297.73 |