On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage™, a menu-driven database system. The INTERNET address for GSA Advantage™ is: http://www.GSAAdvantage.gov.

Multiple Award Schedule

FSC Group: Professional Services & Information Technology
FSC Class: R414, R425 & D3999

Contract Number: 47QRAA19D00DS

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.

Contract period: September 30, 2019 through September 29, 2024

Arion Systems Inc.
15040 Conference Center Dr. Suite 200
Chantilly, VA 20151
Phone: 703-815-1130
Fax: 571-323-3822
www.arionsys.com

Contract Administrator: Ronald King
Phone: 703-815-1130 X1112
Email: rking@arionsys.com

Business Size: Small

Price List current as of Modification #PS-A812 effective February 3, 2020

Prices Shown Herein are Net (discount deducted)
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INTRODUCTION

Arion Systems, Inc. (ASI) is an engineering and technical services company founded in 1985 with headquarters in Chantilly, VA. Our principal market is the U.S. Government to include various departments, agencies, and prime contractors. ASI specializes in:

- Cyber Security and Security Engineering to include Information Assurance (IA), Certification & Accreditation (C&A), Computer Network Defense (CND), firewalls, IDS/IPS, security scanning and policy enforcement solutions, auditing and monitoring solutions.

- Telecommunications and Networking Solutions to include information systems and cyber engineering support, including all aspects of designing, building, modernizing, and overseeing the operations and maintenance (O&M) of high speed transport solutions, carrier-class IP/MPLS infrastructures, thousands of enterprise routers and switches, local and global server load balancing solutions network management systems, and Voice over Internet Protocol (VoIP) solutions as well as video teleconferencing and other collaboration systems.

- Marine Engineering and Operational Support including design and development, installation, and operation of marine and ocean systems. Our design capabilities include surface ships, submersibles, cable handling systems, launch and recovery systems, special purpose tools, sensor systems, and ship board instrumentation systems. Operational support services include operational planning, acceptance testing, and mission operation of systems.

- Systems Engineering and Project Management – These services span the complete project life cycle. Our experienced engineering staff is proficient in the systems engineering practices of the DoD, major Government acquisition agencies, and industry, including requirements definition, acquisition planning, design analysis, system installation, performance monitoring and operations and maintenance.

ASI has a highly qualified and technically diverse staff of approximately 110 engineers and scientists capable of delivering the services described under GSA’s Professional Services Schedule. Approximately 97 out of 118 employees have relevant technical degrees or certifications, and approximately half of our staff have advanced degrees; many with advanced engineering and networking certifications. All of our staff are cleared to the Top Secret (TS) level with most holding a Secured Compartmented Information (SCI) clearance. The average years of relevant experience in the field for combined ASI staff is 23 years, achieved by extensive service to various DoD and Intelligence Community customers on previous and current contracts. ASI will provide available resources through a combination of current staff and our comprehensive recruiting program; focused on hiring, training, and retaining qualified employees to fulfill the requirements of the Professional Services Schedule.

For more information on ASI’s extensive range of professional services, please see our website at www.arionsys.com.
CUSTOMER INFORMATION

1. Awarded Special Item Numbers:
   a. Table of Awarded Special Item Numbers with appropriate cross-reference item descriptions and awarded price(s):

<table>
<thead>
<tr>
<th>SINs</th>
<th>SIN Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>541330ENG</td>
<td>Engineering Services</td>
</tr>
<tr>
<td>54151S</td>
<td>Information Technology Professional Services</td>
</tr>
<tr>
<td>541420</td>
<td>Engineering System Design and Integration Services</td>
</tr>
<tr>
<td>541715</td>
<td>Engineering Research and Development and Strategic Planning</td>
</tr>
<tr>
<td>OLM</td>
<td>Order-Level Materials</td>
</tr>
</tbody>
</table>

   b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. Prices reflect the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, show the range of the lowest price, and cite the areas to which the prices apply. See Page 18.

c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. See Page 7.

2. Maximum Order: $1,000,000.00
   Note: Notwithstanding this limit, agencies may place and ASI may honor orders exceeding this limit in accordance with FAR 8.404. In accordance with the Maximum Order provisions contained in the Schedule, a delivery order may be placed against the schedule even though it exceeds the maximum order threshold. There is no maximum ceiling for any task order. This maximum order value is the suggested renegotiation point whereby agencies should seek additional concessions if orders exceed this amount.

3. Minimum Order: $100.00

4. Geographic Coverage (delivery Area): Domestic

5. Point(s) of production (city, county, and state or foreign country): Same as company address

6. Discount from list prices or statement of net price: Government net prices (discounts already deducted).

7. Quantity discounts: None

8. Prompt payment terms: Net 30 days. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign items (list items by country of origin): None

10. Deliveries:
    a. Time of Delivery (Contractor insert number of days): To Be Determined on the Task Order
    b. Expedited Delivery: Contact the Contractor.
c. **Overnight and 2-day delivery.** Overnight and 2-day delivery are available. Contact the Contractor for rates for overnight and 2-day delivery:

   d. **Urgent Requirements.** Contact Contractor.

11. **F.O.B Points(s):** Destination

12. **Ordering:**
   a. **Ordering Address(es):** Same as Contractor
   
   b. **Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. **Payment address:**
    Arion Systems Inc.
    15040 Conference Center Dr.
    Suite 200
    Chantilly, VA 20151

14. **Warranty provision:** Standard Commercial Warranty Terms & Conditions.

15. **Export Packing Charges (if applicable):** N/A

16. **Terms and conditions of rental, maintenance and repair (if applicable):** N/A

17. **Terms and conditions of installation (if applicable):** N/A

18. a. **Terms and conditions of repair parts (if applicable):** N/A
   
   b. **Terms and conditions for any other services (if applicable):**

   1) **Scope**
      a) The prices, terms and conditions stated herein apply exclusively to approved SINs within the scope of this Multiple Award Schedule price list.
      
      b) The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

   2) **Order**
      a) Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Purchase orders shall specify the availability of funds and the period for which funds are available.
      
      b) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

   3) **Performance of Services**
      a) The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
      
      b) The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
c) The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d) Any Contractor travel required in the performance of the services described in this schedule must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

4) Responsibilities of the Contractor
The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character.

5) Responsibilities of the Ordering Activity
Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite Services.

6) Independent Contractor
All Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

7) Invoices
The Contractor, upon completion of the work ordered, shall submit invoices for the services rendered. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

19. List of service and distribution points (if applicable): N/A

20. List of participating dealers (if applicable): N/A

21. Preventive maintenance (if applicable): N/A

22. Special Attributes:
   a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A
   b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor’s website or other location). N/A

23. Data Universal Numbering System (DUNS) number: 175191469

24. Notification regarding registration in System for Award Management (SAM) database: ASI is currently registered in SAM under CAGE code 1CJ56.

Final Pricing: Labor categories, descriptions and pricing are applicable to all SINs in this price list as described in the following tables. The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.
## LABOR CATEGORY DESCRIPTIONS

<table>
<thead>
<tr>
<th>Title</th>
<th>Level</th>
<th>Functional Responsibilities</th>
<th>Experience and Educational Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineer</td>
<td>I</td>
<td>Applies engineering theories, principles, and concepts with substantial facility; provides solutions to variety of technical problems; requires limited supervision; work is reviewed for appropriateness, accuracy, and thoroughness; interacts principally with supervisor and with other professionals working on similar tasks. Skills/Specialties may include System Engineering, Requirement Analysis and Verification, Component Design, Component and System Testing.</td>
<td>Education Required: Bachelor of Science or Master of Science Discipline: Engineering or technical. Required Work Experience: BS Degree: Two (2) years of relevant technical experience MS Degree: New graduate – no experience required</td>
</tr>
<tr>
<td>Engineer</td>
<td>II</td>
<td>Applies with thorough understanding engineering theories, principles, and concepts; brings perspective of a range of engineering disciplines; provides solutions to a wide range of technical problems; develops approach to problem solving independently; work is reviewed for appropriateness in satisfying task objectives; interacts principally with other professionals working on similar tasks and occasionally with the customer. Skills/Specialties may include System Engineering, Requirement Analysis and Verification, Component Design, Component and System Testing.</td>
<td>Education Required: Bachelor of Science or Master of Science degree Discipline: Engineering or technical field Required Work Experience: BS Degree: Five (5) years of relevant technical experience MS Degree: Three (3) years of relevant experience</td>
</tr>
<tr>
<td>Engineer</td>
<td>III</td>
<td>Applies extensive expertise in at least one engineering discipline; brings the expertise of a wide range of engineering disciplines; provides solutions to a wide range of complex and difficult technical problems; solutions are often creative and imaginative; has significant latitude in structuring and executing the tasks; work is reviewed infrequently for appropriateness in satisfying task objectives; interacts frequently with the customer. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis.</td>
<td>Education Required: Bachelor of Science or Master of Science degree Discipline: Engineering or technical field Required Work Experience: BS Degree: Ten (10) years of relevant technical experience MS Degree: Eight (8) years of relevant experience.</td>
</tr>
<tr>
<td>Engineer</td>
<td>IV</td>
<td>Applies extensive expertise in at least one engineering discipline; brings expertise of a wide range of engineering disciplines; applies advanced principles, theories, and concepts; capable of developing new principles and concepts; provides solutions to unusually complex and difficult technical problems; solutions are often innovative and ingenious; has nearly complete latitude in structuring and executing the tasks; interacts frequently with the customer; team leadership; strong communications skills - oral and written. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis.</td>
<td>Education Required: Bachelor of Science or Master of Science degree Discipline: Engineering or technical field Required Work Experience: BS Degree: Fifteen (15) years of relevant technical experience MS Degree: Thirteen (13) years of relevant experience.</td>
</tr>
<tr>
<td>Engineer</td>
<td>V</td>
<td>Applies extensive expertise in at least one engineering discipline; brings the expertise of a wide range of engineering disciplines; applies highly advanced principles, theories, and concepts; capable of developing highly advanced principles and concepts; solutions to complex and difficult problems are often innovative and ingenious; provides expertise in system architectural definition; provides expertise in business processes; has nearly complete latitude in structuring and executing the tasks; interacts frequently with the customer; strong communications skills - oral and written. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis, Team Leadership.</td>
<td>Education Required: Bachelor of Science or Master of Science degree Discipline: Engineering or technical field Required Work Experience: BS Degree: Twenty (20) years of relevant technical experience MS Degree: Eighteen (18) years of relevant experience.</td>
</tr>
<tr>
<td>Title</td>
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| Program Management Engineer  | I     | Manage customer expectations, documenting requirements and changes, creating proposals and modifying bids. Manager for a task order; has end-to-end responsibility for the contractor's technical, cost, and schedule performance on a task order; contractors authorized representative for task-related interactions with the Government. Skills/Specialties may include: Budget Management, Risk Management/Risk Control, Systems Engineering. | Education Required:  
Bachelor of Science or Master of Science degree  
Discipline: Engineering or related field  
Required Work Experience:  
**BS Degree:** Ten (10) years of engineering experience; five (5) years managing programs  
**MS Degree:** Eight (8) years in engineering field; three (3) years managing programs |
| Program Management Engineer  | II    | Manage customer expectations, documenting requirements and changes, creating proposals and modifying bids. Manager for a task order; has end-to-end responsibility for the contractor’s technical, cost, and schedule performance on a task order; contractors authorized representative for task-related interactions with the Government. Skills/Specialties may include: Budget Management, Risk Management/Risk Control, Systems Engineering, Program Management. | Education Required:  
Bachelor of Science or Master of Science degree  
Discipline: Engineering or related field  
Required Work Experience:  
**BS Degree:** Fifteen (15) years of engineering experience; ten (10) years managing programs  
**MS Degree:** Thirteen (13) years in engineering field; eight (8) years managing programs |
| Program Management Engineer  | III   | Manage customer expectations, documenting requirements and changes, creating proposals and modifying bids. Develop and train engineers in testing protocols and quality control measures. Manager for a task order; has end-to-end responsibility for the contractor’s technical, cost, and schedule performance on a task order; contractors authorized representative for task-related interactions with the Government. Skills/Specialties may include: Budget Management, Program Management, Risk Management/Risk Control, Systems Engineering, Team Leadership, Team Management. | Education Required:  
Bachelor of Science or Master of Science degree  
Discipline: Engineering or related field  
Required Work Experience:  
Experienced as practicing engineer. Must have management experience: to include planning, directing, developing, or implementing complex systems in a complex environment. Excellent verbal, written and interpersonal skills.  
**BS Degree:** Twenty (20) years in engineering field. Eight (8) years managing programs  
**MS Degree:** Eighteen (18) years in engineering field; ten (10) years managing programs |
| Project Management Specialist | I     | Communicate ongoing changes in tasks, goals, or performance; applies basic project control, theories, principles, and concepts; provides support in project requirements management, schedule, and configuration change control; participate in client meetings; undertakes problems of limited scope; requires supervision; interacts principally with program manager and with other professionals working on similar tasks. Skills/Specialties may include: Budget Management, Microsoft Project, Operations Management, Good Oral/Verbal Communication, Client Interaction. | Education Required:  
Associate Degree or Vocational/technical training beyond high school  
Educational Equivalency: Ten (10) years of relevant technical experience combined with training in program controls  
Required Work Experience: Relevant technical experience combined with training in program controls |
<table>
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<th>Experience and Educational Requirements</th>
</tr>
</thead>
</table>
| Project Management Specialist | II    | Manage and communicate ongoing changes in tasks, goals, or performance; Participate in client meetings, contract finalization, and development of requirements and specifications; Manage project budget; Responsible, with minimal oversight and direction, for providing technical and administrative support to one or more the following project functions: progress tracking, schedule maintenance, configuration control, quality control, purchasing, property management, facility management, security administration, etc. Skills/Specialties may include: Budget Management, Client Interaction, Microsoft Project, Operations Management, Good Oral/Verbal Communication, Strategic Project Management. | Education Required: Associate Degree or Vocational/technical training beyond high school  
Educational Equivalency: Fifteen (15) years experience providing project management support to an engineering project  
Required Work Experience: Relevant technical experience combined with training in program controls |
| Senior Scientist              | I     | Expert in one or more leading-edge technologies; plan, coordinate and execute research objectives; perform research support on problems of diverse scope and execute research projects; generate research ideas and solutions to complex computer science problems; provides experience in the solution of difficult, complex technical problems; provides strong analytical skills; experienced in the mathematical modeling of physical processes and systems; provides experience in the development of software applications and engineering tools; undertakes major research projects without oversight and direction; strong communications skills – oral and written. Skills/Specialties may include: Big Data Analytics, Engineering Design, Mathematical Modeling, Expert in Leading-Edge Technology. | Education Required: Master of Science degree or Doctor of Philosophy degree  
Discipline: Engineering, Physical Science, Mathematics, or similar technical area  
Required Work Experience:  
MS Degree: Ten (10) years professional experience  
PhD: Seven (7) years professional experience |
| Senior Scientist              | II    | Expert in one or more leading-edge technologies; plan, coordinate and execute research objectives; perform research support on problems of diverse scope and execute research projects; generate research ideas and solutions to complex computer science problems; provides experience in the solution of difficult, complex technical problems; provides strong analytical skills; experienced in the mathematical modeling of physical processes and systems; provides experience in the development of software applications and engineering tools; undertakes major research projects without oversight and direction; strong communications skills – oral and written. Skills/Specialties may include: Big Data Analytics, Engineering Design, Mathematical Modeling, Expert in Leading-edge Technology. | Education Required: Master of Science degree or Doctor of Philosophy degree  
Discipline: Engineering, Physical Science, Mathematics, or similar technical area  
Required Work Experience:  
MS Degree: Fifteen (15) years professional experience  
PhD: Twelve (12) years professional experience |
| Software Engineer             | I     | Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS). | Education Required: Associate Degree, Bachelor of Science or Master of Science degree  
Discipline: Electrical Engineering, Computer Science or technical field  
Educational Equivalency: Eight (8) years of work experience in a software application and database analysis, design, development environment  
Required Work Experience:  
Associate: Six (6) years experience in a software application and database analysis, design, development environment  
BS Degree: Two (2) years experience in software development environment  
MS Degree: One (1) year experience in software development environment |
<table>
<thead>
<tr>
<th>Title</th>
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</tr>
</thead>
</table>
| Software Engineer II  |       | Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Provides technical leadership in application software development, to include developing functional requirements and interface design. Provides solutions to a variety of technical problems of moderate scope and complexity. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS). | Education Required: Associates Degree, Bachelor of Science or Master of Science degree  
Discipline: Electrical Engineering, Computer Science or technical field  
Educational Equivalency: Twelve (12) years of work experience in a software application and database analysis, design, development environment.  
Required Work Experience:  
Associate: Ten (10) years experience in a software application and database analysis, design, development environment.  
BS Degree: Five (5) years experience in a client/server software engineering environment.  
MS Degree: Three (3) years experience in a client/server software engineering environment. |
| Software Engineer III |       | Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Provides technical leadership in application software development, to include developing functional requirements and interface design. Provides solutions to a variety of technical problems of moderate scope and complexity. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS). | Education Required: Associates Degree, Bachelor of Science or Master of Science degree  
Discipline: Electrical Engineering, Computer Science or technical field.  
Educational Equivalency: Sixteen (16) years of experience in a client/server software engineering environment. At least two (2) years client/server development experience. Good written & verbal skills.  
Required Work Experience:  
Must have good written & verbal skills.  
Associate: Thirteen (13) years experience in a software application and database analysis, design, development environment.  
BS Degree: Eight (8) years experience in a client/server software engineering environment  
MS Degree: Six (6) years experience in a client/server software engineering environment. |
| Software Engineer IV  |       | Broad understanding and wide application of principles, theories, and concepts; conduct new technology research, concept specification and design of individual software components; participate in product and program collaboration; develop new product concepts and development, delivery product prototypes; Research, design, and development or application software; Involved in planning system development and deployment; Evaluates interface between hardware and software, operational requirements and characteristics of overall system; Maintains a high knowledge of current information technology. Supervisor and Mentor Junior Software Engineers. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS). | Education Required: Associates Degree, Bachelor of Science or Master of Science degree  
Discipline: Electrical Engineering, Computer Science or technical field.  
Educational Equivalency: Twenty (20) years work experience in client/server software engineering, vendor and contractor management. At least two (2) years client/server development experience.  
Required Work Experience:  
Good written & verbal skills.  
Associate: Fifteen (15) years experience in a software application and database analysis, design, development environment.  
BS Degree: Ten (10) years experience in a client/server software engineering environment  
MS Degree: Eight (8) years experience in client/server software engineering, vendor and contractor management, and software development. |
<table>
<thead>
<tr>
<th>Title</th>
<th>Level</th>
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<th>Experience and Educational Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Assurance Engineer I</td>
<td>I</td>
<td>Ensure the integrity of host computers, multiple databases and secure data transfers. Maintain existing capabilities and implement appropriate up to date security technologies. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting. Skills/Specialties may include: Cyber Security, Network Security Management, Security Risk Management, Security Testing and Auditing.</td>
<td>Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: Electrical Engineering, Computer Science, or related technical field Required Work Experience: Education Equivalence: Ten (10) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Six (6) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Two (2) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. MS Degree: New graduate – no experience required. CISSP or CompTIA Security+ CE certification required.</td>
</tr>
<tr>
<td>Information Assurance Engineer II</td>
<td>II</td>
<td>Ensure the integrity of host computers, multiple databases and secure data transfers. Maintain existing capabilities and implement appropriate up to date security technologies. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting; technical security support to Certification and Accreditation (C&amp;A) processes and testing and security impact assessments as part of change management. Capable of executing most work tasks independently. Skills/Specialties may include: Cyber Security, Network Security Management, Security Risk Management, Security Testing and Auditing.</td>
<td>Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: Electrical Engineering, Computer Science, or related technical field Required Work Experience: Education Equivalence: Fifteen (15) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Ten (10) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Six (6) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. MS Degree: Two (2) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required.</td>
</tr>
<tr>
<td>Information Assurance Engineer III</td>
<td>III</td>
<td>Assist in migrating information assets and environments into compliant, secure systems. Manage security testing platforms, including leading forensic investigations and mitigation procedures. Lead security training and communicate policies. Create and execute policy and audit plans and identify security risks and operation needs. Review configuration and updates to ensure software and infrastructure are protected. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting; technical security support to Certification and Accreditation (C&amp;A) processes and testing and security impact assessments as part of change management. Provides oversight and direction to staff on major projects. Skills/Specialties may include: Cyber Security, IT Management, Network Security Management, Security Intrusion Detection, Security Risk Management, Team Management.</td>
<td>Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: Electrical Engineering, Computer Science, or related technical field Required Work Experience: Education Equivalence: Twenty (20) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Sixteen (16) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Twelve (12) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. MS Degree: Ten (10) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required.</td>
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</tbody>
</table>
| IT Systems Architect | I     | Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examine customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments. Requires assistance in structuring work tasks. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Thirteen (13) years of relevant experience to include two (2) years experience working on network architectures or two (2) years systems engineering experience.  
AS Degree: Nine (9) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience.  
BS Degree: Five (5) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience.  
MS Degree: Three (3) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience. |
| IT Systems Architect | II    | Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examine customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments. Capable of executing most work tasks independently. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Eighteen (18) years of relevant experience to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
AS Degree: Fourteen (14) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
BS Degree: Ten (10) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
MS Degree: Eight (8) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. |
| IT Systems Architect | III   | Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examine customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments; provides oversight and direction to staff on major projects. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Twenty-five (25) years of relevant experience to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
AS Degree: Twenty-one (21) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
BS Degree: Seventeen (17) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.  
MS Degree: Fifteen (15) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. |
<table>
<thead>
<tr>
<th>Title</th>
<th>Level</th>
<th>Functional Responsibilities</th>
<th>Experience and Educational Requirements</th>
</tr>
</thead>
</table>
| IT Systems Integration Engineer | I     | Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Skills/Specialties may include Integration Testing, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Ten (10) years working on network design or implementation.  
AS Degree: Six (6) years experience working on network design or implementation.  
BS Degree: Two (2) years experience working on network design or implementation.  
MS Degree: New graduate – no experience required                                                                                                                             |
| IT Systems Integration Engineer | II    | Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Capable of executing work tasks independently. Skills/Specialties may include Integration Testing, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Thirteen (13) years of relevant technical experience.  
AS Degree: Nine (9) years of relevant technical experience.  
BS Degree: Five (5) years of relevant technical experience.  
MS Degree: Three (3) years of relevant technical experience.                                                                                                               |
| IT Systems Integration Engineer | III   | Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Provides oversight and direction to staff on major projects. Skills/Specialties may include: Engineering Design, Integration Testing, Network Architecture/Design, Network Design, Network Security Management. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, or related technical field  
Required Work Experience:  
Education Equivalence: Twenty (20) years of network design or implementation experience.  
AS Degree: Sixteen (16) years of network design or implementation experience.  
BS Degree: Twelve (12) years of network design or implementation experience.  
MS Degree: Ten (10) years of network design or implementation experience.                                                                 |
| IT Network Performance Engineer | I     | Design and implement business solutions using network equipment. Familiarity with WAN and LAN operation and equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches, Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, Cisco Networking, Local Area Network (LAN), WAN. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field  
Required Work Experience:  
Education Equivalence: Ten (10) years of experience collecting and analyzing network performance data.  
AS Degree: Six (6) years of experience collecting and analyzing network performance data.  
BS Degree: Two (2) years of experience collecting and analyzing network performance data.  
MS Degree: New graduate – no experience required                                                                 |
<table>
<thead>
<tr>
<th>Title</th>
<th>Level</th>
<th>Functional Responsibilities</th>
<th>Experience and Educational Requirements</th>
</tr>
</thead>
</table>
| IT Network Performance Engineer | II    | In depth understanding of WAN and LAN operation and equipment; Design and implement business solutions using network equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches, Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, Cisco Networking, Local Area Network (LAN), WAN. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field  
Required Work Experience:  
Education Equivalence: Eighteen (18) years of experience collecting and analyzing network performance data.  
AS Degree: Twelve (12) years of experience collecting and analyzing network performance data.  
BS Degree: Eight (8) years of experience collecting and analyzing network performance data.  
MS Degree: Four (4) years of experience collecting and analyzing network performance data. |
| IT Network Performance Engineer | III   | In depth understanding of WAN and LAN operation and equipment; Design and implement business solutions using network equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches, Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Provides oversight and direction to staff; establishes daily collection and analysis priorities. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, VoIP, Local Area Network (LAN), WAN. | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field  
Required Work Experience:  
Education Equivalence: Eighteen (18) years of experience collecting and analyzing network performance data.  
AS Degree: Twelve (12) years of experience collecting and analyzing network performance data.  
BS Degree: Eight (8) years of experience collecting and analyzing network performance data.  
MS Degree: Four (4) years of experience collecting and analyzing network performance data. |
| IT Application Developer      | I     | Familiarity with WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; requires assistance in structuring work tasks. Skills/Specialties may include: JavaScript, Software Development, Oracle, Software Architecture, SNMP, Data Visualization, Amazon Web Services (AWS). | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field  
Required Work Experience:  
Education Equivalence: Ten (10) years of experience developing network performance application software.  
AS Degree: Six (6) years of experience developing network performance application software.  
BS Degree: Two (2) years experience developing network performance application software.  
MS Degree: New graduate – no experience required |
| IT Application Developer      | II    | Familiarity with WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; capable of independent execution of work tasks. Skills/Specialties may include: JavaScript, Software Development, Oracle, Software Architecture, SNMP, Data Visualization, Amazon Web Services (AWS). | Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below).  
Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field  
Required Work Experience:  
Education Equivalence: Eighteen (18) years of experience collecting and analyzing network performance data.  
AS Degree: Twelve (12) years of experience collecting and analyzing network performance data.  
BS Degree: Eight (8) years of experience collecting and analyzing network performance data.  
MS Degree: Four (4) years of experience collecting and analyzing network performance data. |
<table>
<thead>
<tr>
<th>Title</th>
<th>Level</th>
<th>Functional Responsibilities</th>
<th>Experience and Educational Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT Application Developer</td>
<td>III</td>
<td>In depth understanding of WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; provides oversight and direction to staff; establishes software development priorities. Skills/Specialties may include: JavaScript, SNMP, Data Visualization, Amazon Web Services (AWS).</td>
<td>Education Required: Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field Required Work Experience: Education Equivalent: Eighteen (18) years experience developing network performance application software. AS Degree: Fourteen (14) years experience developing network performance application software. BS Degree: Ten (10) years experience developing network performance application software. MS Degree: Eight (8) years experience developing network performance application software.</td>
</tr>
<tr>
<td>IT Program Manager</td>
<td>I</td>
<td>Program Manager for a task; record detailed customer requirements, constraints and assumptions with stakeholders in order to establish the project deliverables; measure project performance, end-to-end responsibility for the contractor’s technical, cost, and schedule performance on a task order; contractor’s authorized representative for task-related interactions with the Government. Skills/Specialties may include: Program Management, Strategic Planning.</td>
<td>Education Required: Bachelor or Master of Science degree Discipline: Electrical Engineering, Computer Science, or related technical field Required Work Experience: BS Degree: Ten (10) years experience in telecommunications or information technology to include five (5) years managing programs. MS Degree: Eight (8) years in IT field to include three (3) years managing programs.</td>
</tr>
<tr>
<td>IT Program Manager</td>
<td>II</td>
<td>Program Manager for large, complex task orders; develop a detailed project plan with identified critical path tasks; record detailed customer requirements, constraints and assumptions with stakeholders in order to establish the project deliverables; measure project performance; has end-to-end responsibility for the contractor’s technical, cost, and schedule performance on a task order; contractor’s authorized representative for task-related interactions with the Government. Skills/Specialties may include: Program Management, Strategic Planning.</td>
<td>Education Required: Bachelor or Master of Science degree Discipline: Electrical Engineering, Computer Science, or related technical field Required Work Experience: BS Degree: Fifteen (15) years experience in telecommunications or information technology to include ten (10) years managing programs. MS Degree: Thirteen (13) years experience in telecommunications or information technology to include eight (8) years managing programs.</td>
</tr>
<tr>
<td>IT Program Manager</td>
<td>III</td>
<td>Program Manager for a significant and complex development. Develop a detailed project plan with identified critical path tasks; conduct meetings with all key stakeholders in order to announce the start of the project and review the overall project plan; create, track, and forecast changes in project budgets; Exhibits an exceptional degree of ingenuity, creativity, and resourcefulness. Performs and assists in requirements definition, vendor/product research, peer reviews, system testing and installation tasks. Skills/Specialties may include: IT Security &amp; Infrastructure, Operations Management, Strategic Planning, Program Management, Team Leadership.</td>
<td>Education Required: Bachelor or Master of Science degree Discipline: Electrical Engineering, Computer Science, Information Systems, or related technical field Required Work Experience: Excellent verbal, written and interpersonal skills. BS Degree: Twenty (20) years experience in telecommunications, information technology or related engineering discipline to include eight (8) years experience planning, directing, developing, or implementing complex systems in a complex environment. MS Degree: Eighteen (18) years experience in telecommunications, information technology or related engineering discipline to include six (6) years experience planning, directing, developing, or implementing complex systems in a complex environment.</td>
</tr>
<tr>
<td>Title</td>
<td>Level</td>
<td>Functional Responsibilities</td>
<td>Experience and Educational Requirements</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------</td>
<td>---------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------</td>
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</tbody>
</table>
| IT Systems Administrator | I     | Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure. | Education Required: Associate, Bachelor, Master of Science or PhD degree.  
Discipline: Electrical Engineering, Computer Science, Mathematics or related technical field.  
Required Work Experience:  
AS Degree: Ten (10) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
BS Degree: Seven (7) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
MS Degree: Three (3) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. |
| IT Systems Administrator | II    | Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure. | Education Required: Associate, Bachelor, Master of Science or PhD degree.  
Discipline: Electrical Engineering, Computer Science, Mathematics or related technical field.  
Required Work Experience:  
AS Degree: Fifteen (15) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
BS Degree: Twelve (12) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
MS Degree: Eight (8) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. |
| IT Systems Administrator | III   | Lead a team of system administrators to manage servers and other computer system aspects of a company. Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure. | Education Required: Associate, Bachelor, Master of Science or PhD degree.  
Discipline: Electrical Engineering, Computer Science, Mathematics or related technical field.  
Required Work Experience:  
AS Degree: Twenty (20) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
BS Degree: Eighteen (18) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
MS Degree: Fifteen (15) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.  
PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. |
<table>
<thead>
<tr>
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<th>Level</th>
<th>Functional Responsibilities</th>
<th>Experience and Educational Requirements</th>
</tr>
</thead>
</table>
| Technologist I | Lead and coordinate with teams to design, test, implement, and manage new or improved technical operations. Evaluate existing operations procedures and make recommendations based on organization regulations and budget. Design and develop strategies to enhance and optimize technical operations. Expert in one or more leading-edge LAN, WAN, or application technologies; assists in the integration of these technologies into large scale network implementations; provides the analytical expertise to perform systems trade studies and to optimize system performance against customer requirements; brings familiarity with telecommunications and networking standards and industry business. Skills/Specialties may include: Engineering Design, Operations Management. | **Education Required:**  
Master of Science or Doctor of Philosophy degree  
**Discipline:** Engineering, Physical Science, Mathematics, or similar technical area  
**Required Work Experience:**  
MS Degree: Ten (10) years experience  
PhD: Seven (7) years experience. |
| Technologist II | Lead and coordinate with teams to design, test, implement, and manage new or improved technical operations. Evaluate existing operations procedures and make recommendations based on organization regulations and budget. Design and develop strategies to enhance and optimize technical operations. Expert in one or more leading-edge LAN, WAN, or application technologies; assists in the integration of these technologies into large scale network implementations; provides the analytical expertise to perform systems trade studies and to optimize system performance against customer requirements; brings familiarity with telecommunications and networking standards and industry business. Skills/Specialties may include: Engineering Design, Operations Management. | **Education Required:**  
Master of Science degree or Doctor of Philosophy degree  
**Discipline:** Engineering, Physical Science, Mathematics, or similar technical area  
**Required Work Experience:**  
MS Degree: Fifteen (15) years experience  
PhD: Twelve (12) years experience. |
# LABOR CATEGORY PRICING

<table>
<thead>
<tr>
<th>Item</th>
<th>SIN</th>
<th>Awarded Labor Category</th>
<th>Site</th>
<th>Year 1 9/30/19-9/29/20</th>
<th>Year 2 9/30/20-9/29/21</th>
<th>Year 3 9/30/21-9/29/22</th>
<th>Year 4 9/30/22-9/29/23</th>
<th>Year 5 9/30/23-9/29/24</th>
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<tbody>
<tr>
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<td>Engineer I</td>
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<td>$109.05</td>
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<td>Software Engineer III</td>
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<td>26</td>
<td>54151S</td>
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Note: The pricing is provided for the years 9/30/2019 to 9/29/2024.
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