



GENERAL SERVICES ADMINISTRATION

Federal Supply Service

Authorized Federal Supply Schedule Price List

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. The INTERNET address GSA Advantage!® is: <http://www.GSAAdvantage.gov/>

Multiple Award Schedule (MAS)

Federal Supply Group: Professional Services Class:

Contract Number: GS-23F-0153L

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at <http://www.gsa.gov/schedules-ordering>

Contract Period: April 06, 2001 – April 05, 2021

Current Mod: PS-A812, effective March 06, 2020

Contractor:

A-P-T Research, Inc.
4950 Research Drive
Huntsville, AL 35805

Business Size: Small Business

Telephone: (256) 327-4015

Web Site: www.apr-research.com

E-mail: contracts@aapt-research.com

Contract Administration: Rebecca Merrill

Customer Information

- 1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:

SIN	SIN Description
541330ENG	541330 ENG Engineering Services
541380	541380 Testing Laboratories
541715	541715 Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)

- 1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is 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, should show the range of the lowest price, and cite the areas to which the prices apply. **See below.**
- 1c. 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. If hourly rates are not applicable, indicate "Not applicable" for this item. **See below.**
2. Maximum order: **\$1,000,000.00**
 3. Minimum order: **\$100.00**
 4. Geographic coverage (delivery area): **Domestic and Overseas**
 5. Point(s) of production (city, county, and State or foreign county): **Huntsville, Madison County, AL (HQ); Cocoa Beach, Brevard County, FL; Ogden, Weber County, UT**
 6. Discount from list prices or statement of net price: **Price List follows, discounts negotiated by Task Order**
 7. Quantity discounts: **Not Applicable**
 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

- 9a. Notification that Government purchase cards are accepted at or below the micro-purchase threshold: **Accepted.**
- 9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: **Accepted.**
- 10. Foreign items (list items by country or origin): **Not Applicable**
- 11a. Time of delivery: **Delivery time to be specified on individual Task Orders.**
- 11b. Expedited delivery: "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery. **Not Applicable**
- 11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery. **Not Applicable**
- 11d. Urgent Requirements: The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to affect a faster delivery. **In accordance with I-FSS-140-B URGENT REQUIREMENTS (Jan 1994), when the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract. Agencies may also contact the contractor's representative to effect a faster delivery.**
- 12. F.O.B. point(s): **Destination**
- 13a. Ordering address: **A-P-T Research, Inc.
ATTN: Rebecca Merrill
4950 Research Drive
Huntsville, AL 35805**
- 13b. Ordering procedures: **For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition Regulation (FAR) 8.4.05-3.**

14. Payment address: **A-P-T Research, Inc.**
ATTN: Accounting
4950 Research Drive
Huntsville, AL 35805
15. Warranty provision: **Warranties, if any, will be negotiated on a task by task basis**
16. Export packing charges, if applicable: **Not Applicable**
17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): **Contact contractor.**
18. Terms and conditions of rental, maintenance, and repair (if applicable): **Not Applicable**
19. Terms and conditions of installation (if applicable): **Not Applicable**
20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from price lists (if applicable): **Not Applicable**
- 20a. Terms and conditions for any other services (if applicable): **Not Applicable**
21. List of service and distribution points (if applicable): **Not Applicable**
22. List of participating dealers (if applicable): **Not Applicable**
23. Preventive maintenance (if applicable): **Not Applicable**
- 24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency and/or reduced pollutants): **Not Applicable**
- 24b. 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., contractor's website or other location.) The EIT standards can be found at www.Section508.gov/: **Not Applicable**
25. Data Universal Number System (DUNS) number: **791195167**
26. Notification regarding registration in System for Award Management (SAM) database System For Award Management (SAM) Registration is current and active.
27. Final Pricing:
The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

Current Rates and Labor Categories

All Categories, SINs 541330ENG, 541380 & 541715

Item	Labor Categories	Min Edu and Exp	Option 3				
			Year 16 4/6/2016 - 4/5/2017	Year 17 4/6/2017 - 4/5/2018	Year 18 4/6/2018 - 4/5/2019	Year 19 4/6/2019 - 4/5/2020	Year 20 4/6/2020 - 4/5/2021
1	Admin Assistant	High School, 6 yrs experience	\$58.56	\$60.43	\$62.36	\$64.36	\$66.42
2	Administrative Aide I	High School, 0 yrs experience	\$31.23	\$32.23	\$33.26	\$34.32	\$35.42
3	Administrative Aide II	High School, 2 yrs experience	\$39.04	\$40.29	\$41.58	\$42.91	\$44.28
4	Administrative Aide III	High School, 4 yrs experience	\$50.76	\$52.38	\$54.06	\$55.79	\$57.58
5	Administrative Mgr	High School, 8 yrs experience	\$74.18	\$76.55	\$79.00	\$81.53	\$84.14
6	Graphics/Tech Writer I	High School, 0 yrs experience	\$49.39	\$50.97	\$52.60	\$54.28	\$56.02
7	Graphics/Tech Writer II	High School, 5 yrs experience	\$62.29	\$64.28	\$66.34	\$68.46	\$70.65
8	Graphics/Tech Writer III	High School, 7 yrs experience	\$79.10	\$81.63	\$84.24	\$86.94	\$89.72
9	Graphics/Tech Writer IV	High School, 10 yrs experience	\$88.59	\$91.42	\$94.35	\$97.37	\$100.49
10	Management Analyst I	Bachelors, 9 yrs experience	\$93.70	\$96.70	\$99.79	\$102.99	\$106.28
11	Management Analyst II	Bachelors, 12 yrs experience	\$109.32	\$112.82	\$116.43	\$120.16	\$124.01
12	Management Analyst III	Bachelors, 16 yrs experience	\$128.83	\$132.95	\$137.20	\$141.59	\$146.12
13	Program Analyst I	Bachelors, 2 yrs experience	\$69.20	\$71.41	\$73.70	\$76.06	\$78.49
14	Program Analyst II	Bachelors, 6 yrs experience	\$87.40	\$90.20	\$93.09	\$96.07	\$99.14
15	Programmer I	Bachelors, 0 yrs experience	\$62.27	\$64.26	\$66.32	\$68.44	\$70.63
16	Programmer II	Bachelors, 4 yrs experience	\$85.80	\$88.55	\$91.38	\$94.30	\$97.32
17	Programmer III	Bachelors, 8 yrs experience	\$105.24	\$108.61	\$112.09	\$115.68	\$119.38

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18	Jr Analyst	Bachelors, 0 yrs experience	\$58.56	\$60.43	\$62.36	\$64.36	\$66.42
19	Analyst	Bachelors, 2 yrs experience	\$74.18	\$76.55	\$79.00	\$81.53	\$84.14
20	Sr Analyst	Bachelors, 6 yrs experience	\$109.32	\$112.82	\$116.43	\$120.16	\$124.01
21	Technician I	High School, 1 yrs experience	\$59.00	\$60.89	\$62.84	\$64.85	\$66.93
22	Technician II	High School, 3 yrs experience	\$66.63	\$68.76	\$70.96	\$73.23	\$75.57
23	Technician III	High School, 5 yrs experience	\$80.82	\$83.41	\$86.08	\$88.83	\$91.67
24	Engineering Aide I	High School, 0 yrs experience	\$31.23	\$32.23	\$33.26	\$34.33	\$35.42
25	Engineering Aide II	High School, 2 yrs experience	\$39.04	\$40.29	\$41.58	\$42.91	\$44.28
26	Engineering Aide III	High School, 4 yrs experience	\$50.76	\$52.38	\$54.06	\$55.79	\$57.58
27	Engineering Assistant	High School, 6 yrs experience	\$58.56	\$60.43	\$62.36	\$64.36	\$66.42
28	Jr Engineer	Bachelors, 0 yrs experience	\$74.18	\$76.55	\$79.00	\$81.53	\$84.14
29	Engineer, Scientist	Bachelors, 2 yrs experience	\$93.70	\$96.70	\$99.79	\$102.98	\$106.28
30	Sr Engineer, Sr Scientist I	Bachelors 6 yrs experience, plus 3 yrs direct experience	\$109.32	\$112.82	\$116.43	\$120.16	\$124.01
31	Sr Engineer, Sr Scientist II	Bachelors 9 yrs experience, plus 5 yrs direct experience	\$143.33	\$147.92	\$152.65	\$157.53	\$162.57
32	Sr Engineer, Sr Scientist III	Bachelors 12 yrs experience, plus 6 yrs direct experience	\$150.84	\$155.67	\$160.65	\$165.79	\$171.10
33	Sr Engineer, Sr Scientist IV	Bachelors 16 yrs experience, plus 10 yrs direct experience	\$166.20	\$171.52	\$177.01	\$182.67	\$188.52
34	System Safety Engineer I	Bachelors, 6 yrs experience	\$103.83	\$107.15	\$110.58	\$114.12	\$117.77

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35	System Safety Engineer II	Bachelors, 8 yrs experience	\$120.20	\$124.05	\$128.02	\$132.12	\$136.35
36	System Safety Engineer III	Bachelors, 12 yrs experience	\$146.79	\$151.49	\$156.34	\$161.34	\$166.50
37	Sr Application Engineer	Bachelors, 16 yrs experience	\$124.76	\$128.75	\$132.87	\$137.12	\$141.51
38	Software System Engineer	Bachelors, 10 yrs experience	\$142.49	\$147.05	\$151.76	\$156.62	\$161.63
39	Sr Specialty Engineer	Bachelors, 12 yrs experience	\$155.33	\$160.30	\$165.43	\$170.72	\$176.18
40	Princ Engineer	Bachelors, 16 yrs experience	\$160.60	\$165.74	\$171.04	\$176.52	\$182.16
41	Health Physicist Technician	Bachelors, 0 yrs experience	\$87.40	\$90.20	\$93.09	\$96.07	\$99.14
42	Health Physicist	Bachelors, 6 yrs experience	\$120.20	\$124.05	\$128.02	\$132.11	\$136.34
43	Industrial Hygienist	Bachelors, 4 yrs experience	\$101.98	\$105.24	\$108.61	\$112.09	\$115.67
44	Task Leader, Group Leader	Masters 9 yrs experience, Bachelors 13 yrs experience	\$128.83	\$132.95	\$137.21	\$141.60	\$146.13
45	Program Mgr, Project Leader	Masters, 12 yrs experience, Bachelors, 16 yrs experience, plus 3 yrs leadership	\$148.39	\$153.14	\$158.04	\$163.10	\$168.32
46	Technical/Division Mgr	Masters, 16 yrs experience, Bachelors, 20 yrs experience, plus 7 yrs leadership	\$180.61	\$186.39	\$192.35	\$198.51	\$204.86
47	Task Order PM	Masters 20 yrs experience, Bachelors 24	\$190.31	\$196.40	\$202.68	\$209.17	\$215.86
48	Sr Management/Technical I	Bachelors, 10 yrs experience	\$155.04	\$160.00	\$165.12	\$170.41	\$175.86
49	Sr Management/Technical II	Bachelors, 12 yrs experience	\$171.86	\$177.36	\$183.04	\$188.89	\$194.94
50	Sr Management/Technical III	Bachelors, 15 yrs experience	\$178.22	\$183.92	\$189.81	\$195.88	\$202.15

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51	Technical Subject Expert I	Bachelors, 14 yrs experience, Internationally Recognized Expert	\$198.96	\$205.33	\$211.90	\$218.68	\$225.68
52	Sr Princ Investigator I	Masters 25 yrs experience, Bachelors 29 yrs experience, plus 15 yrs direct experience	\$205.94	\$212.53	\$219.33	\$226.35	\$233.59
53	Sr Princ Investigator II	Masters 30 yrs experience, Bachelors 34 yrs experience, plus 20 yrs direct experience	\$218.64	\$225.64	\$232.86	\$240.31	\$248.00
54	Sr Princ Investigator III	Masters 35 yrs experience, Bachelors 39 yrs experience, plus 25 yrs direct experience	\$232.23	\$239.66	\$247.33	\$255.24	\$263.41

Labor Category Descriptions

Labor Categories	Labor Qualifications/ Minimum Requirements	Job Description
Senior Principal Investigator III	Masters 35 yrs experience, Bachelors 39 yrs experience, plus 25 yrs direct experience	Serves as Senior Principle Investigator for research studies. Has overall responsibility for client interaction and the technical conduct of a study as well as for the interpretation, analysis, documentation, and reporting of results; represents the single point of control for projects; coordinates efforts of the study team; manages client relationships; compiles and communicates study requirements to appropriate team members; develops protocols and ensures that the protocol and report, including any changes, are approved and in compliance with appropriate SOPs, quality agreements, and regulatory agency guidelines; leads and supports project teams for continuous process improvement; innovates and suggests new business ideas and concepts, including expansion of current project; provides relevant information to assure accuracy of forecast and revenue recognition, reviews cost estimates and financial information for accuracy; monitors progress and status of assigned studies; leads efforts with the study team to troubleshoot and solve problems, as necessary; reviews report for accuracy and completeness; provides technical/scientific guidance and leadership to ensure project completion and to other areas of the company; provides post-project analysis of study performance; leads and sponsors client visits; responsible for ensuring that any unforeseen circumstances that may affect the quality and integrity of a study are identified and documented as they occur and corrective action is taken; responds to unscheduled deadlines, client needs, and crises without neglecting other duties; authors scientific papers, which are published or presented at scientific meetings; evaluates data to assure regulatory guidelines and scientific expectations are met; on a broad basis, is able to apply appropriate principles, theories, and concepts in the field of discipline; applies a working knowledge of related disciplines; mentors and trains less-experienced staff.
Senior Principal Investigator II	Masters 30 yrs experience, Bachelors 34 yrs experience, plus 20 yrs direct experience	Serves as Senior Principle Investigator for research studies. Has overall responsibility for client interaction and the technical conduct of a study as well as for the interpretation, analysis, documentation, and reporting of results; represents the single point of control for projects; coordinates efforts of the study team; manages client relationships; compiles and communicates study requirements to appropriate team members; develops protocols and ensures that the protocol and report, including any changes, are approved and in compliance with appropriate SOPs, quality agreements, and regulatory agency guidelines; leads and supports project teams for continuous process

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		<p>improvement; innovates and suggests new business ideas and concepts, including expansion of current project; provides relevant information to assure accuracy of forecast and revenue recognition, reviews cost estimates and financial information for accuracy; monitors progress and status of assigned studies; leads efforts with the study team to troubleshoot and solve problems, as necessary; reviews report for accuracy and completeness; provides technical/scientific guidance and leadership to ensure project completion and to other areas of the company; provides post-project analysis of study performance; leads and sponsors client visits; responsible for ensuring that any unforeseen circumstances that may affect the quality and integrity of a study are identified and documented as they occur and corrective action is taken; responds to unscheduled deadlines, client needs, and crises without neglecting other duties; authors scientific papers, which are published or presented at scientific meetings; evaluates data to assure regulatory guidelines and scientific expectations are met; on a broad basis, is able to apply appropriate principles, theories, and concepts in the field of discipline; applies a working knowledge of related disciplines; mentors and trains less-experienced staff.</p>
Senior Principal Investigator I	Masters 25 yrs experience, Bachelors 29 yrs experience, plus 15 yrs direct experience	<p>Serves as Senior Principle Investigator for research studies. Has overall responsibility for client interaction and the technical conduct of a study as well as for the interpretation, analysis, documentation, and reporting of results; represents the single point of control for projects; coordinates efforts of the study team; manages client relationships; compiles and communicates study requirements to appropriate team members; develops protocols and ensures that the protocol and report, including any changes, are approved and in compliance with appropriate SOPs, quality agreements, and regulatory agency guidelines; leads and supports project teams for continuous process improvement; innovates and suggests new business ideas and concepts, including expansion of current project; provides relevant information to assure accuracy of forecast and revenue recognition, reviews cost estimates and financial information for accuracy; monitors progress and status of assigned studies; leads efforts with the study team to troubleshoot and solve problems, as necessary; reviews report for accuracy and completeness; provides technical/scientific guidance and leadership to ensure project completion and to other areas of the company; provides post-project analysis of study performance; leads and sponsors client visits; responsible for ensuring that any unforeseen circumstances that may affect the quality and integrity of a study are identified and documented as they occur and corrective action is taken; responds to</p>

Labor Categories	Labor Qualifications/ Minimum Requirements	Job Description
		<p>unscheduled deadlines, client needs, and crises without neglecting other duties; authors scientific papers, which are published or presented at scientific meetings; evaluates data to assure regulatory guidelines and scientific expectations are met; on a broad basis, is able to apply appropriate principles, theories, and concepts in the field of discipline; applies a working knowledge of related disciplines; mentors and trains less-experienced staff.</p>
<p>Technical Subject Expert I</p>	<p>Bachelors 14 yrs experience, Internationally Recognized Expert</p>	<p>Serves as Senior Principle Investigator for research studies. Has overall responsibility for client interaction and the technical conduct of a study as well as for the interpretation, analysis, documentation, and reporting of results; represents the single point of control for projects; coordinates efforts of the study team; manages client relationships; compiles and communicates study requirements to appropriate team members; develops protocols and ensures that the protocol and report, including any changes, are approved and in compliance with appropriate SOPs, quality agreements, and regulatory agency guidelines; leads and supports project teams for continuous process improvement; innovates and suggests new business ideas and concepts, including expansion of current project; provides relevant information to assure accuracy of forecast and revenue recognition, reviews cost estimates and financial information for accuracy; monitors progress and status of assigned studies; leads efforts with the study team to troubleshoot and solve problems, as necessary; reviews report for accuracy and completeness; provides technical/scientific guidance and leadership to ensure project completion and to other areas of the company; provides post-project analysis of study performance; leads and sponsors client visits; responsible for ensuring that any unforeseen circumstances that may affect the quality and integrity of a study are identified and documented as they occur and corrective action is taken; responds to unscheduled deadlines, client needs, and crises without neglecting other duties; authors scientific papers, which are published or presented at scientific meetings; evaluates data to assure regulatory guidelines and scientific expectations are met; on a broad basis, is able to apply appropriate principles, theories, and concepts in the field of discipline; applies a working knowledge of related disciplines; mentors and trains less-experienced staff.</p>
<p>Task Order PM</p>	<p>Masters 20 yrs experience, Bachelors 24</p>	<p>Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and</p>

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		manages funds and resources.
Technical/ Division Manager	Masters 16 yrs experience, Bachelors 20 yrs experience, plus 7 yrs leadership	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Program Manager, Project Leader	Masters 12 yrs experience, Bachelors 16 yrs experience, plus 3 yrs leadership	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Task Leader, Group Leader	Masters 9 yrs experience, Bachelors 13 yrs experience	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Senior Management/ Technical III	Bachelors 15 yrs experience	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Senior Management/ Technical II	Bachelors 12 yrs experience	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Senior Management/ Technical I	Bachelors 10 yrs experience	Directs, plans, organizes, and controls the project to ensure that all project obligations are fulfilled in an effective and timely manner. Serves as point of contact with the customer; formulates and enforces work standards; develops schedules; reviews work plans; communicates policies, purposes and goals of the organization; and manages funds and resources.
Principal Engineer	Bachelors 16 yrs experience	Plan, schedule, and conduct or coordinate detailed engineering and scientific work for tests and projects. This work may involve sampling

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		for hazardous chemicals, conducting surveys on levels of exposure to ionizing or non-ionizing radiation, conducting training, evaluating engineering designs of systems and conducting physical inspections. The goal is to determine adequate levels of protection, and make recommendations for design changes or procedural changes to ensure the mitigation of hazards and compliance with applicable standards, regulations and laws.
System Safety Engineer III	Bachelors 12 yrs experience	Plan, schedule, and conduct or coordinate detailed engineering and scientific work for tests and projects. This work may involve sampling for hazardous chemicals, conducting surveys on levels of exposure to ionizing or non-ionizing radiation, conducting training, evaluating engineering designs of systems and conducting physical inspections. The goal is to determine adequate levels of protection, and make recommendations for design changes or procedural changes to ensure the mitigation of hazards and compliance with applicable standards, regulations and laws.
System Safety Engineer II	Bachelors 8 yrs experience	Plan, schedule, and conduct or coordinate detailed engineering and scientific work for tests and projects. This work may involve sampling for hazardous chemicals, conducting surveys on levels of exposure to ionizing or non-ionizing radiation, conducting training, evaluating engineering designs of systems and conducting physical inspections. The goal is to determine adequate levels of protection, and make recommendations for design changes or procedural changes to ensure the mitigation of hazards and compliance with applicable standards, regulations and laws.
System Safety Engineer I	Bachelors 6 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Software System Engineer	Bachelors 10 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.

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Senior Application Engineer	Bachelors 8 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Senior Specialty Engineer	Bachelors 12 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Senior Engineer/ Scientist IV	Bachelors 16 yrs experience, plus 10 yrs direct experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Senior Engineer/ Scientist III	Bachelors 12 yrs experience, plus 6 yrs direct experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Senior Engineer/ Scientist II	Bachelors 9 yrs experience, plus 5 yrs direct experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.

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Senior Engineer/Scientist I	Bachelors 6 yrs experience, plus 3 yrs direct experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Engineer/Scientist	Bachelors 2 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Junior Engineer/Scientist	Bachelors 0 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Engineering Assistant	High School 6 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Engineering Aide III	High School 4 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.

Labor Categories	Labor Qualifications/ Minimum Requirements	Job Description
Engineering Aide II	High School 2 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials.
Engineering Aide I	High School 0 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials. Engineering Aides as well as Engineering Assistants work under the direction of a Senior Engineer. Junior Engineers and Engineer/Scientists can work independently but closely with a Senior Engineer/Senior Scientist. Senior Engineer/Senior Scientists are leads on projects and are tasked with responsibility of the success of the project.
Programmer III	Bachelors 8 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials. Engineering Aides as well as Engineering Assistants work under the direction of a Senior Engineer. Junior Engineers and Engineer/Scientists can work independently but closely with a Senior Engineer/Senior Scientist. Senior Engineer/Senior Scientists are leads on projects and are tasked with responsibility of the success of the project.
Programmer II	Bachelors 4 yrs experience	Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or

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		<p>materials. Engineering Aides as well as Engineering Assistants work under the direction of a Senior Engineer. Junior Engineers and Engineer/Scientists can work independently but closely with a Senior Engineer/Senior Scientist. Senior Engineer/Senior Scientists are leads on projects and are tasked with responsibility of the success of the project.</p>
Programmer I	Bachelors 0 yrs experience	<p>Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practices. Typical work may include research, development, design, testing, logistics, analysis, production, maintenance, operation, planning, estimating, application, or standardization of engineering facilities, systems, structures, software applications, firmware, processes equipment, devices, or materials. Engineering Aides as well as Engineering Assistants work under the direction of a Senior Engineer. Junior Engineers and Engineer/Scientists can work independently but closely with a Senior Engineer/Senior Scientist. Senior Engineer/Senior Scientists are leads on projects and are tasked with responsibility of the success of the project.</p>
Technician III	High School 5 yrs experience	<p>Determine test specifications, procedures, and objectives. Determine nature of technical problems. Review project specifications to identify, modify and plan fabrication, assembly and testing. Devise, fabricate, and assemble new or modified mechanical components for products, such as industrial machinery or equipment, and measuring instruments. Set up and conduct tests of complete units and components under operational conditions to investigate proposals for improving equipment performance. Inspect lines and figures for clarity and return erroneous drawings to designer for correction. Analyze test results in relation to design or rated specifications and test objectives, and modify or adjust equipment to meet specifications. Evaluate tool drawing designs by measuring drawing dimensions and comparing with original specifications for form and function, using engineering skills.</p>
Technician II	High School 3 yrs experience	<p>Determine test specifications, procedures, and objectives. Determine nature of technical problems. Review project specifications to identify, modify and plan fabrication, assembly and testing. Devise, fabricate, and assemble new or modified mechanical components for products, such as industrial machinery or equipment, and measuring instruments. Set up and conduct tests of complete units and components under operational conditions to investigate proposals for improving equipment performance. Inspect lines and figures for</p>

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		<p>clarity and return erroneous drawings to designer for correction. Analyze test results in relation to design or rated specifications and test objectives, and modify or adjust equipment to meet specifications. Evaluate tool drawing designs by measuring drawing dimensions and comparing with original specifications for form and function, using engineering skills.</p>
Technician I	High School 1 yrs experience	<p>Determine test specifications, procedures, and objectives. Determine nature of technical problems. Review project specifications to identify, modify and plan fabrication, assembly and testing. Devise, fabricate, and assemble new or modified mechanical components for products, such as industrial machinery or equipment, and measuring instruments. Set up and conduct tests of complete units and components under operational conditions to investigate proposals for improving equipment performance. Inspect lines and figures for clarity and return erroneous drawings to designer for correction. Analyze test results in relation to design or rated specifications and test objectives, and modify or adjust equipment to meet specifications. Evaluate tool drawing designs by measuring drawing dimensions and comparing with original specifications for form and function, using engineering skills.</p>
Health Physicist Technician	Bachelors 0 yrs experience	<p>Provides analysis support in any of the following disciplines: engineering, science, business, financial, cost, or program management. Typical duties performed may include analysis; design; development; testing; integration; logistics; program management; cost, financial, or management analysis; or maintenance of systems, processes, programs, offices or products.</p>
Health Physicist	Bachelors 6 yrs experience	<p>Provides analysis support in any of the following disciplines: engineering, science, business, financial, cost, or program management. Typical duties performed may include analysis; design; development; testing; integration; logistics; program management; cost, financial, or management analysis; or maintenance of systems, processes, programs, offices or products.</p>
Industrial Hygienist	Bachelors 4 yrs experience	<p>Provides analysis support in any of the following disciplines: engineering, science, business, financial, cost, or program management. Typical duties performed may include analysis; design; development; testing; integration; logistics; program management; cost, financial, or management analysis; or maintenance of systems, processes, programs, offices or products.</p>
Program Analyst I	Bachelors 2 yrs experience	<p>Designs, develops, implements, tests, maintains, operates, and/or documents computer programs and systems. Other duties may</p>

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		include design, development, and/or implementation of databases with respect to access methods, access time, and device allocation, as well as maintenance of database files and monitoring of standards and procedures.
Program Analyst II	Bachelors 6 yrs experience	Designs, develops, implements, tests, maintains, operates, and/or documents computer programs and systems. Other duties may include design, development, and/or implementation of databases with respect to access methods, access time, and device allocation, as well as maintenance of database files and monitoring of standards and procedures.
Management Analyst III	Bachelors 16 yrs experience	Designs, develops, implements, tests, maintains, operates, and/or documents computer programs and systems. Other duties may include design, development, and/or implementation of databases with respect to access methods, access time, and device allocation, as well as maintenance of database files and monitoring of standards and procedures.
Management Analyst II	Bachelors 12 yrs experience	Provides support to technical or administrative staff in routine or special requests. Typical duties performed may include preparing budgets, maintaining estimates to completion, acquisition package preparation and tracking support for programs.
Sr. Analyst	Bachelors 6 yrs experience	Provides support to technical or administrative staff in routine or special requests. Typical duties performed may include preparing budgets, maintaining estimates to completion, acquisition package preparation and tracking support for programs.
Management Analyst I	Bachelors 9 yrs experience	Duties may include any of the following: competitive sourcing, outsourcing methodologies, value chain analysis, strategic planning, process improvement methodologies, change enablement and management, site-selection, and consolidation of operations. Other duties may include development of training curriculum to meet the unique needs of a particular customer's requirements, facilitate working groups and sessions, design schedules, conduct analyses, develop models, write reports, prepare presentations, present results, perform data collection, and data reduction/consolidation requirements.
Analyst	Bachelors 2 yrs experience	Duties may include any of the following: competitive sourcing, outsourcing methodologies, value chain analysis, strategic planning, process improvement methodologies, change enablement and management, site-selection, and consolidation of operations. Other duties may include development of training curriculum to meet the

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		unique needs of a particular customer's requirements, facilitate working groups and sessions, design schedules, conduct analyses, develop models, write reports, prepare presentations, present results, perform data collection, and data reduction/consolidation requirements.
Junior Analyst	Bachelors 0 yrs experience	Duties may include any of the following: competitive sourcing, outsourcing methodologies, value chain analysis, strategic planning, process improvement methodologies, change enablement and management, site-selection, and consolidation of operations. Other duties may include development of training curriculum to meet the unique needs of a particular customer's requirements, facilitate working groups and sessions, design schedules, conduct analyses, develop models, write reports, prepare presentations, present results, perform data collection, and data reduction/consolidation requirements.
Graphics/Tech Writer IV	High School 10 yrs experience	Works closely with Customers and employees to produce and manipulate graphics and visuals for informative and instructional material, website development, packaging, promotions, and advertisements. Duties also include formatting/editing/writing a variety of technical articles, reports, brochures, and/or manuals for a wide range of uses.
Graphics/Tech Writer III	High School 7 yrs experience	Works closely with Customers and employees to produce and manipulate graphics and visuals for informative and instructional material, website development, packaging, promotions, and advertisements. Duties also include formatting/editing/writing a variety of technical articles, reports, brochures, and/or manuals for a wide range of uses.
Graphics/Tech Writer II	High School 5 yrs experience	Works closely with Customers and employees to produce and manipulate graphics and visuals for informative and instructional material, website development, packaging, promotions, and advertisements. Duties also include formatting/editing/writing a variety of technical articles, reports, brochures, and/or manuals for a wide range of uses.
Graphics/Tech Writer I	High School 0 yrs experience	Works closely with Customers and employees to produce and manipulate graphics and visuals for informative and instructional material, website development, packaging, promotions, and advertisements. Duties also include formatting/editing/writing a variety of technical articles, reports, brochures, and/or manuals for a wide range of uses.

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Administrative Manager	Bachelors 8 yrs experience	Performs diverse administrative duties. Initiates special reports, composes routine correspondence, and compiles statistical and budget information. Must be able to communicate with all levels of company personnel to gather and convey information.
Admin. Assistant	High School 6 yrs experience	Performs diverse administrative duties. Initiates special reports, composes routine correspondence, and compiles statistical and budget information. Must be able to communicate with all levels of company personnel to gather and convey information.
Administrative Aide III	High School 4 yrs experience	Performs diverse administrative duties. Initiates special reports, composes routine correspondence, and compiles statistical and budget information. Must be able to communicate with all levels of company personnel to gather and convey information. Administrative Aides work under the direction of the Administrative Manager. The Administrative Assistant works independently but closely with the Administrative Manager. The Administrative Manager is the lead and is responsible for ensuring completion of all administrative duties.
Administrative Aide II	High School 2 yrs experience	Performs diverse administrative duties. Initiates special reports, composes routine correspondence, and compiles statistical and budget information. Must be able to communicate with all levels of company personnel to gather and convey information. Administrative Aides work under the direction of the Administrative Manager. The Administrative Assistant works independently but closely with the Administrative Manager. The Administrative Manager is the lead and is responsible for ensuring completion of all administrative duties.
Administrative Aide I	High School 0 yrs experience	Performs diverse administrative duties. Initiates special reports, composes routine correspondence, and compiles statistical and budget information. Must be able to communicate with all levels of company personnel to gather and convey information. Administrative Aides work under the direction of the Administrative Manager. The Administrative Assistant works independently but closely with the Administrative Manager. The Administrative Manager is the lead and is responsible for ensuring completion of all administrative duties.