

**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SCHEDULE PRICELIST
FOR
PROFESSIONAL ENGINEERING SERVICES (PES)
FSC Group 87, Class 871**

Special Item No. 871-1 Strategic Planning for Technology Programs/Activities
Special Item No. 871-2 Concept Development and Requirements Analysis
Special Item No. 871-3 System Design, Engineering and Integration
Special Item No. 871-4 Test and Evaluation
Special Item No. 871-5 Integrated Logistics Support
Special Item No. 871-6 Acquisition and Life Cycle Management

PRIMARY ENGINEERING DISCIPLINE:

Electrical Engineering
Mechanical Engineering
Chemical Engineering
Applies to all Special Item Numbers

CONTRACT NUMBER: GS-23F-0213M

CONTRACT PERIOD: 13 June 2002 through 31 May 2007 (with 1 Five Year Option Period)

Updated through Modification #P001 dated 21 April 2006.

ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC

1105 Wooded Acres

Suite 500

Waco, Texas 76710

Tel: 254-776-9511

FAX: 254-776-3813

www.act-i.com

Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the *GSA Advantage!* System. Agencies can browse *GSA Advantage!* by accessing GSA's Home Page via Internet at www.gsa.gov.



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ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC GSA FSS AUTHORIZED
PROFESSIONAL ENGINEERING SERVICES SCHEDULE PRICELIST 24

CUSTOMER INFORMATION

1a.	AWARDED SPECIAL ITEM NUMBERS (SINS):	PEDS Offered:		
		EE	ME	CH
A.	SIN 871-1 Strategic Planning For Technology Programs/Activities	X	X	X
B.	SIN 871-2 Concept Development And Requirements Analysis	X	X	X
C.	SIN 871-3 System Design, Engineering And Integration	X	X	X
D.	SIN 871-4 Test and Evaluation	X	X	X
E.	SIN 871-5 Integrated Logistics Support	X	X	X
F.	SIN 871-6 Acquisition and Life Cycle Management	X	X	X

1b. N/A SEE ATTACHED LIST OF LABOR CATEGORIES AND RATES

2. MAXIMUM ORDER THRESHOLD: \$750,000.00

3. MINIMUM ORDER: \$100.00

4. GEOGRAPHIC COVERAGE (DELIVERY AREA). WORLDWIDE

5. POINT(S) OF PRODUCTION (CITY, COUNTY, AND STATE OR FOREIGN COUNTRY).

1105 WOODDED ACRES, SUITE 500, WACO, TX 76710
 32200 N. AVIS, MADISON HEIGHTS, MI 48071
 452 BRETT DRIVE, WRIGHT PATTERSON AFB, OH 45433-0644
 2401 E. EL SEGUNDO BLVD, STE 425, EL SEGUNDO, CA 90245

6. PRICES IN ATTACHED SCHEDULE ARE NET FOR FIVE YEARS FROM DATE OF AWARD.

7. QUANTITY DISCOUNTS: NONE

8. PROMPT PAYMENT/QUANTITY DISCOUNTS: NONE

9a. GOVERNMENT PURCHASE CREDIT CARDS ARE ACCEPTED UP TO THE MICRO PURCHASE THRESHOLD.

9b. GOVERNMENT PURCHASE CARDS ARE ACCEPTED ABOVE THE MICRO-PURCHASE THRESHOLD.

10. FOREIGN ITEMS (LIST ITEMS BY COUNTRY OF ORIGIN): N/A

11a. TIME OF DELIVERY: 30 DAYS OR TO BE NEGOTIATED ON THE TASK ORDER BASIS.

11b. EXPEDITED DELIVERY: TO BE NEGOTIATED ON THE TASK ORDER BASIS.

11c. OVERNIGHT AND 2-DAY DELIVERY: TO BE NEGOTIATED ON THE TASK ORDER BASIS.

11d. URGENT REQUIREMENTS: TO BE NEGOTIATED ON THE TASK ORDER BASIS.

12. FOB POINTS: DESTINATION

13. ORDERING ADDRESS(ES):

ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC
1105 WOODED ACRES, SUITE 500, WACO, TEXAS 76710
254-776-9511 (TELEPHONE)
254-776-3813 (FACSIMILE)

14. PAYMENT ADDRESS(ES):
ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC
1105 WOODED ACRES, SUITE 500, WACO, TEXAS 76710
254-776-9511 (TELEPHONE)
254-776-3813 (FACSIMILE)
15. WARRANTY PROVISION: PERSONNEL PROVIDED UNDER THIS CONTRACT BY ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC SHALL HAVE THE EXPERIENCE, EDUCATION AND EXPERTISE AS DELINEATED IN THE AUTHORIZED GSA FSS PES SCHEDULE PRICELIST.
16. EXPORT PACKING CHARGES, IF APPLICABLE.
17. GOVERNMENT PURCHASE CREDIT CARDS ARE ACCEPTED UP TO AND ABOVE THE MICRO-PURCHASE THRESHOLD.
18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR: N/A
19. TERMS AND CONDITIONS OF INSTALLATION: N/A
- 20a. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES: N/A
- 20b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES: TERMS AND CONDITIONS APPLICABLE TO PROFESSIONAL SERVICES (SPECIAL ITEM NUMBERS 871-1 THROUGH 871-3)
21. LIST OF SERVICE AND DISTRIBUTION POINTS:
1105 WOODED ACRES, SUITE 500, WACO, TX 76710
32200 N. AVIS, MADISON HEIGHTS, MI 48071
452 BRETT DRIVE, WRIGHT PATTERSON AFB, OH 45433-0644
2401 E. EL SEGUNDO BLVD, STE 425, EL SEGUNDO, CA 90245
22. LIST OF PARTICIPATING DEALERS: N/A
23. PREVENTIVE MAINTENANCE (IF APPLICABLE).
24. ENVIRONMENTAL ATTRIBUTES, E.G., RECYCLED CONTENT, ENERGY EFFICIENCY, AND/OR REDUCED POLLUTANTS: NONE
25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER: 00-805-0242
26. ADVANCED CONCEPTS & TECHNOLOGIES, LLC IS REGISTERED IN CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE.

**ADVANCED CONCEPTS & TECHNOLOGIES INTERNATIONAL, LLC
LABOR CATEGORY DESCRIPTIONS**

Executive Program Manager

Minimum/General Experience: Overall company management of multiple technical/engineering projects, human resources, accounting and finance, strategic planning, business development, contracts management, and legal affairs.

Functional Responsibility: Provides senior level advice, guidance, and oversight to multiple company infrastructure functions and to senior technical project managers related to project planning, staffing, budgeting, scheduling, performance assessment and status reporting, client interface, and contract management.

Minimum Education/Years of Experience in Government or Commercial Technical Program Management:

Degree	Years of Experience
Ph.D.	12
Masters	15
Bachelors	18

Project Manager

Minimum/General Experience: Management of multiple technical/engineering projects involving senior level oversight to the following functions; (1) integrated project planning, budgeting, and scheduling, (2) technical and support staffing, (3) integrated technical, cost, and schedule performance management and status reporting, (4) contract management and reporting, (5) project profit and loss, and (6) client interface.

Functional Responsibility: Provides technical, cost, schedule, contractual, and administrative oversight and guidance to the technical and support staff responsible for contract and project performance. Coordinates all project tasks and resolves technical, cost, schedule, and contractual issues in conjunction with his government counterparts (COR, PCO, and individual project/task managers).

Minimum Education/Years Experience in Government or Commercial Technical Program Management:

Degree	Years of Experience
Ph.D.	7
Masters	10
Bachelors	13

Senior Mechanical Engineer

Minimum/General Experience: Applies intensive and diversified knowledge of mechanical engineering principals and practices in broad areas of assignments and company projects. Makes decisions independently and in conjunction with the project manager on engineering problems and methods for accomplishing assigned projects. Assists the project manager in planning and organizing projects and in leading the technical staff in project accomplishment. Supports the project manager in resolving issues related to the projects and in interfacing with the client.

Functional Responsibility: Plans, schedules, conducts, and coordinates detailed phases of engineering work in a part of a major project or in a total project of moderate to significant scope. Accomplishes tasks involving conventional mechanical engineering practices, but also handles a variety of complex issues such as conflicting design requirements, unsuitability of standard materials, and difficult coordination requirements. Requires a broad knowledge of mechanical engineering principals and practices and precedents in accomplishing detailed and difficult engineering tasks.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Ph.D.	7
Masters	10
Bachelors	13

Mechanical Engineer

Minimum/General Experience: Independently evaluates, selects, and applies standard mechanical engineering techniques, procedures, and criteria in accomplishing tasks related to projects and using judgment makes minor adaptations and modifications to standard practices when required to accomplish task and project goals. Assists senior mechanical engineers in planning and organizing projects and in leading the junior technical staff in project accomplishment. Supports senior mechanical engineers in resolving issues related to the projects and in interfacing with the client staff.

Functional Responsibility: Performs engineering tasks involving conventional types of plans, investigations, surveys, structures, and equipment with relatively few complex features and for which there are sound engineering precedents for guidance and reference. Assignments typically include one or more of the following: equipment design and development, test of materials, market surveys, preparation of specifications, process study, research investigations, report preparation, and other activities of a limited scope requiring knowledge of mechanical engineering principals and techniques commonly employed in the areas of assignment.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Ph.D.	2
Masters	4
Bachelors	7

Junior Mechanical Engineer

Minimum/General Experience: Performs routine mechanical engineering tasks requiring the application of standard techniques, procedures, and criteria in accomplishing tasks related to projects. Works under the direct supervision of the mechanical engineers or senior mechanical engineers. Exercises limited judgment in making preliminary selections and adaptations of engineering alternatives. Supports senior mechanical engineering staff in researching and resolving issues related to the projects and in dialogues with client staff.

Functional Responsibility: Performs engineering tasks using prescribed mechanical engineering methods and practices. Performs specific and limited portions of a broader assignment under the direction of a more experienced mechanical engineer. Applies standard practices and techniques in specific situations, adjusts and correlates data, recognizes discrepancies in results, and follows operations through a series of related detailed steps or processes.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Bachelors	1
Associates	3

Senior Mechanical Engineering Technician

Minimum/General Experience: Works under the direction of the mechanical engineering staff who provide task objectives, requirements, and design approaches. Performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project. Selects and adapts plans, techniques, designs, or layouts. Contacts personnel in related activities to resolve problems and to coordinate task assignments and accomplishments. Reviews, analyzes, and integrates the technical work of other mechanical engineering technicians. Supports mechanical engineering staff in researching and resolving issues related to the projects and in dialogues with client staff.

Functional Responsibility: Designs, develops, and constructs major units, devices, or equipment; plans or assists in planning tests to evaluate equipment performance; determines test requirements, equipment modifications, and test procedures; conducts tests or experiments using a variety of instrumentation; analyzes results and redesigns or modifies equipment to improve performance; and reports results on findings and recommendations. Prepares drawings of complex systems, parts, assemblies, or components that require a high degree of precision.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	5
Certificate	8
High School Diploma	10

Mechanical Engineering Technician

Minimum/General Experience: Works under the direction of the senior mechanical engineering technician or the mechanical engineering staff who provide task objectives, requirements, and design approaches. Performs non-routine and non-standard assignments. Selects or adapts standard procedures or equipment, using precedents that are not fully applicable.

Receives initial instruction, equipment requirements, and advice from more senior staff as needed; performs recurring work independently; work is reviewed for technical adequacy or conformity with instructions. Supports mechanical engineering and mechanical engineering technician staff in researching and resolving issues related to the projects.

Functional Responsibility: Constructs components, subunits, or simple models and adapts standard equipment by following specific layouts and engineering diagrams. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurements. Selects, sets up, and operates standard test equipment and records test data. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes the data, identifying errors or inconsistencies, and selects methods of data presentation. Prepares various drawings of systems, parts, and assemblies, including various views, sectional profiles, irregular or reverse curves, hidden lines, and small or intricate details.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	3
Certificate	5
High School Diploma	8

Junior Mechanical Engineering Technician

Minimum/General Experience: Works under the direction of the mechanical engineering technician or mechanical engineering staff who provide task objectives, requirements, and design approaches. Provides semiprofessional technical support for engineers and technicians working in such areas as research, design, development, testing, or manufacturing process improvement. Required to have some practical knowledge of science or engineering. Performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. Supports mechanical engineering staff in researching and resolving issues related to the projects.

Functional Responsibility: Assembles or installs equipment or parts, performs simple or routine tasks or tests, operates and adjusts simple test equipment, and records test data. Gathers and maintains specific records or engineering data such as tests, drawings, etc.; performs computations by substituting numbers in specified formulas; plots data and draws simple curves and graphs. Prepares drawings of simple, easily visualized systems, parts, components, or equipment from sketches or marked-up prints.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	1
Certificate	3
High School Diploma	4

Senior Electrical Engineer

Minimum/General Experience: Applies intensive and diversified knowledge of electrical engineering principals and practices in broad areas of assignments and company projects. Makes decisions independently and in conjunction with the project manager on engineering problems and methods for accomplishing assigned projects. Assists the project manager in planning and organizing projects and in leading the technical staff in project accomplishment. Supports the project manager in resolving issues related to the projects and in interfacing with the client.

Functional Responsibility: Plans, schedules, conducts, and coordinates detailed phases of engineering work in a part of a major project or in a total project of moderate to significant scope. Accomplishes tasks involving conventional electrical engineering practices, but also handles a variety of complex issues such as conflicting design requirements, unsuitability of standard materials, and difficult coordination requirements. Requires a broad knowledge of electrical engineering principals and practices and precedents in accomplishing detailed and difficult engineering tasks.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Ph.D.	7
Masters	10
Bachelors	13

Electrical Engineer

Minimum/General Experience: Independently evaluates, selects, and applies standard electrical engineering techniques, procedures, and criteria in accomplishing tasks related to projects and using judgment makes minor adaptations and modifications to standard practices when required to accomplish task and project goals. Assists senior electrical engineers in planning and organizing projects and in leading the junior technical staff in project accomplishment. Supports senior electrical engineers in resolving issues related to the projects and in interfacing with the client staff.

Functional Responsibility: Performs engineering tasks involving conventional types of plans, investigations, surveys, structures, and equipment with relatively few complex features and for which there are sound engineering precedents for guidance and reference. Assignments typically include one or more of the following: equipment design and development, market surveys, preparation of specifications, process study, research investigations, and report preparation, and other activities of a limited scope requiring knowledge of electrical engineering principals and techniques commonly employed in the areas of assignment.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Ph.D.	2
Masters	4
Bachelors	7

Junior Electrical Engineer

Minimum/General Experience: Performs routine electrical engineering tasks requiring the application of standard techniques, procedures, and criteria in accomplishing tasks related to projects. Works under the direct supervision of the electrical engineers or senior electrical engineers. Exercises limited judgment in making preliminary selections and adaptations of engineering alternatives. Supports senior electrical engineering staff in researching and resolving issues related to the projects and in dialogues with client staff.

Functional Responsibility: Performs engineering tasks using prescribed electrical engineering methods and practices. Performs specific and limited portions of a broader assignment under the direction of a more experienced electrical engineer. Applies standard practices and techniques in specific situations, adjusts and correlates data, recognizes discrepancies in results, and follows operations through a series of related detailed steps or processes.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Bachelors	1
Associates	3

Senior Electrical Engineering Technician

Minimum/General Experience: Works under the direction of the electrical engineering staff who provide task objectives, requirements, and design approaches. Performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project. Selects and adapts plans, techniques, designs, or layouts. Contacts personnel in related activities to resolve problems and to coordinate task assignments and accomplishments. Reviews, analyzes, and integrates the technical work of other electrical engineering technicians. Supports electrical engineering staff in researching and resolving issues related to the projects and in dialogues with client staff.

Functional Responsibility: Designs, develops, and constructs major units, devices, or equipment; plans or assists in planning tests to evaluate equipment performance; determines test requirements, equipment modifications and test procedures; conducts tests or experiments using a variety of instrumentation; analyzes results and redesigns or modifies equipment to improve performance; and reports results on findings and recommendations. Prepares schematics and drawings of complex systems, parts, assemblies, or components that require a high degree of precision.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	5
Certificate	8
High School Diploma	10

Electrical Engineering Technician

Minimum/General Experience: Works under the direction of the senior electrical engineering technician or the electrical engineering staff who provide task objectives, requirements, and design approaches. Performs non-routine and non-standard assignments. Selects or adapts standard procedures or equipment, using precedents that are not fully applicable. Receives initial instruction, equipment requirements, and advice from more senior staff as needed; performs recurring work independently; work is reviewed for technical adequacy or conformity with instructions. Supports electrical engineering and electrical engineering technician staff in researching and resolving issues related to the projects.

Functional Responsibility: Constructs components, subunits, or simple models and adapts standard equipment by following specific layouts and engineering diagrams. Conducts various tests or experiments that may require minor modifications in test setups or procedures as well as subjective judgments in measurements. Selects, sets up, and operates standard test equipment and records test data. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes the data, identifying errors or inconsistencies, and selects methods of data presentation. Prepares various schematics and drawings of systems, parts, and assemblies.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	3
Certificate	5
High School Diploma	8

Junior Electrical Engineering Technician

Minimum/General Experience: Works under the direction of the electrical engineering technician or electrical engineering staff who provide task objectives, requirements, and design approaches. Provides semiprofessional technical support for engineers and technicians working in such areas as research, design, development, testing, or manufacturing process improvement. Required to have some practical knowledge of science or engineering. Performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. Supports electrical engineering staff in researching and resolving issues related to the projects.

Functional Responsibility: Assembles or installs equipment or parts, performs simple or routine tasks or tests, operates and adjusts simple test equipment, and records test data. Gathers and maintains specific records or engineering data such as tests, drawings, etc.; performs computations by substituting numbers in specified formulas; plots data and draws simple curves and graphs. Prepares schematics and drawings of simple, easily visualized systems, parts, components, or equipment from sketches or marked-up prints.

Minimum Education/Years Experience in Government or Commercial Engineering Projects:

Degree	Years of Experience
Associates	1
Certificate	3
High School Diploma	4

Executive Subject Matter Expert (ESME)

Minimum/General Experience: Executive engineering/technical experience which applies to corporate management, including experience as an executive level subject matter expert of either a corporate division or operation involving Strategic Planning for Technology Programs/Activities, Concept Development and Requirement Analysis, System Design, Engineering and Integration, Test and Evaluation, Integrated Logistics Support, Acquisition and Life Cycle Management. Experience should include oversight or direct technical expertise and experience including management of highly technical experts in engineering and related fields.

Functional Responsibility: Provides executive level technical analysis, advice and services to engineering and technology based systems and related customers on basic research and development, strategic planning, system design, prototypes, test and evaluation, cost estimating and analysis, integrated logistics support, systems maintenance and acquisition and life cycle management. Provides executive level technical advice, and services to Executives, Program Managers and customers. Ensures overall corporate technical management on large, complex systems, contracts and delivery orders.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D.	15
Masters	20
Bachelors	22

Senior Subject Matter Expert (SSME)

Minimum/General Experience: Senior engineering/technical experience which applies to corporate management, including experience as a senior level subject matter expert of either a corporate division or operation involving Strategic Planning for Technology Programs/Activities, Concept Development and Requirement Analysis, System Design, Engineering and Integration, Test and Evaluation, Integrated Logistics Support, Acquisition and Life Cycle Management. Experience should include oversight or direct technical expertise and experience including management of highly technical experts in engineering and related fields.

Functional Responsibility: Provides senior level technical analysis, advice and services to engineering and technology based systems and related customers on basic research and development, strategic planning, system design, prototypes, test and evaluation, cost estimating and analysis, integrated logistics support, systems maintenance and acquisition and life cycle management. Provides senior level technical advice, and services to Executives, Program Managers and customers. Ensures overall corporate technical management on large, complex systems, contracts and delivery orders.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph. D.	10
Masters	15
Bachelors	18

Subject Matter Expert (SME)

Minimum/General Experience: Engineering/technical experience which applies to corporate management, including experience as a subject matter expert of either a corporate division or operation involving Strategic Planning for Technology Programs/Activities, Concept Development and Requirement Analysis, System Design, Engineering and Integration, Test and Evaluation, Integrated Logistics Support, or Acquisition and Life Cycle Management. Experience should include oversight or direct technical expertise and experience including management of highly technical experts in engineering and related fields.

Functional Responsibility: Provides technical analysis, advice and services to engineering and technology based systems and related customers on basic research and development, strategic planning, system design, prototypes, test and evaluation, cost estimating and analysis, integrated logistics support, systems maintenance and acquisition and life cycle management. Provides technical advice, and services to Executives, Program Managers and customers. Ensures overall corporate technical management on large, complex systems, contracts and delivery orders.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph. D.	7
Masters	10
Bachelors	12

Laboratory or Security Analyst

Minimum/General Experience: Experience in developing or operating engineering/technical systems which applies to planning, concept development and requirement analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance, and life cycle management, of complex systems, models, simulations, or research tools in a Laboratory or a Security environment. Experience should include direct technical responsibilities like planning, analyzing and managing secure or laboratory systems and subsystems. This position requires knowledge of system acquisition of secure and/or laboratory systems, models, simulations, operations research tools, or laboratory or security information management systems. Position supports technical task planning, problem identification, methodology development and implementation, task technical performance under the technical supervision of a senior technical staff member.

Functional Responsibility: Provides technical analysis, advice and services to engineering/technical and related customers on engineering/technical systems in a laboratory or secure environment. Applies analytical techniques under the supervision of a senior staff member when gathering or using information from others. Drafts task proposal requirements, gathers key information, analyzes data, prepares draft sub-project progress reports, compares technical alternatives and cost options, and supports briefings on the project findings to users and customers.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D.	4
Bachelors	6
Associates	8
High School Diploma	10

Senior Laboratory or Security Analyst

Minimum/General Experience: Experience in developing or operating engineering/technical systems which applies to planning, concept development and requirement analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance, and life cycle management, of complex systems, models, simulations, or research tools in a Laboratory or a Security environment. Experience should include direct technical responsibilities like planning, analyzing and managing secure or laboratory systems and subsystems. This position requires knowledge of system acquisition of secure and/or laboratory systems, models, simulations, operations research tools, or laboratory or security information management systems. Position supports technical task planning, problem identification, methodology development and implementation, task technical performance under the technical supervision of a executive technical staff member.

Functional Responsibility: Provides independent technical analysis, advice and services to engineering/technical and related customers on engineering/technical systems in a laboratory or secure environment. Applies analytical techniques under the supervision of a senior staff member when gathering or using information from others. Drafts task proposal requirements, gathers key information, analyzes data, prepares draft sub-project progress reports, compares technical alternatives and cost options, and supports briefings on the project findings to users and customers.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D.	3
Masters	6
Bachelors	8
Associates	10
High School Diploma	12

Senior Chemical/Biological Engineer/Analyst

Minimum/General Experience: Experience in developing or operating complex chemical/biological, or nuclear/radiological engineering/technical systems which applies to planning, concept development and requirement analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance, or life cycle management, of complex systems, models, simulations, or research tools. Experience should include direct technical responsibilities like planning, analyzing and managing chem/bio, or nuclear/radiological, systems and subsystems. This position requires a knowledge of system acquisition of secure and/or laboratory systems, models, simulations, operations research tools, or laboratory or security information management systems. Position supports technical task planning, problem identification, methodology development and implementation, task technical performance under the technical supervision of a senior technical staff member.

Functional Responsibility: Plans and executes complex engineering/technical systems planning, concept development and requirements analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance or life cycle management of complex systems, models, simulations or research tools in support of chemical or biological, or nuclear/radiological, environment technology and systems. Independently applies advanced knowledge of engineering/scientific principles and practices in broad areas of assignments and related fields. Makes decisions independently on technical problems and methods, and represents the project in conferences to resolve important questions, and to plan and coordinate work. Devises new approaches to problems encountered. Uses a wide application of complex principles, theories and concepts in the specific field, plus may have working knowledge of other related disciplines to provide solutions to a wide range of difficult problems; ensures that improvement and/or changes are implemented as specified. Works on extremely complex problems of diverse scope where analysis of situations or data requires evaluation of intangible variance factors. Acts as a technical lead or consultant on various projects; leads the development of intellectual property. Exhibits creativity, foresight and mature judgment in conducting engineering/technical programs/projects.

May supervise, coordinate and review the work of a small staff of engineers, scientists and technicians. Estimates personnel needs and schedules and assigns work to meet completion dates; integrates project staffing decisions with overall technical strategy; assists in developing selection/assessment criteria and hiring processes for research/engineering staff.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D.	5
Masters	8
Bachelors	10
Associates	13
High School Diploma	15

Chemical/Biological Engineer/Analyst

Minimum/General Experience: Experience in developing or operating chemical/biological, or nuclear/radiological, engineering/technical systems which applies to planning, concept development and requirement analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance, or life cycle management, of systems, models, simulations, or research tools. Experience should include some direct technical responsibilities like planning, analyzing and managing chem/bio, or nuclear/radiological, systems and subsystems. Position supports technical task planning, problem identification, methodology development and implementation, task technical performance under the technical supervision of a senior technical staff member.

Functional Responsibility: Plans and executes working in a small team engineering/technical systems planning, concept development and requirements analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance or life cycle management of systems, models, simulations or research tools in support of chemical or biological, or nuclear/radiological, environment technology and systems. Applies knowledge of engineering/scientific principles and practices in broad areas of assignments and related fields. Recommends decisions for senior supervision on technical problems and methods, and may represent the project in conferences to resolve important questions, and to plan and coordinate work. Devises new approaches to problems encountered. Uses a wide application of principles, theories and concepts in the specific field, plus may have working knowledge of other related disciplines to provide solutions to a wide range of difficult problems; ensures that improvement and/or changes are implemented as specified.

May supervise, coordinate and review the work of a small staff of engineers, scientists and technicians. Estimates personnel needs and schedules and assigns work to meet completion dates; integrates project staffing decisions with overall technical strategy; assists in developing selection/assessment criteria and hiring processes for research/engineering staff. As an individual researcher or staff specialist, may be assisted on projects by other engineers, scientists, and technicians.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D.	1
Masters	4
Bachelors	6
Associates	8
High School Diploma	10

Junior Chemical/Biological Analyst

Minimum/General Experience: Experience in developing or operating chemical/biological, or nuclear/radiological, engineering/technical systems which applies to planning, concept development and requirement analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance, or life cycle management, of systems, models, simulations, or research tools. Experience should include some technical support for developing, testing, operating chem/bio, or nuclear/radiological, systems and subsystems. Position supports technical task planning, problem identification, methodology development and implementation, task technical performance under the technical supervision of a mid-level or technical staff member.

Functional Responsibility: Works in a small team supporting/performing engineering/technical systems planning, concept development and requirements analysis, system design, engineering and integration, test and evaluation, logistics support, development and acquisition, operation and maintenance or life cycle management of systems, models, simulations or research tools in support of chemical or biological, or nuclear/radiological, environment technology and systems. Applies under supervision limited knowledge of engineering/scientific principles and practices in specific areas of assignments and related fields. May recommends decisions for mid-level or senior supervision on technical problems and methods.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D./Masters	0
Bachelors	1
Associates	3
High School Diploma	5

Chemical/Biological Technician

Minimum/General Experience: Experience in setup, operating, and operator maintenance of chemical/biological, or nuclear/radiological, engineering/technical engineering/laboratory instruments and equipment in support of research and developmental projects. Experience should include some technical support for developing, testing, operating chem/bio, or nuclear/radiological, instruments, systems and subsystems. Position supports experiments and laboratory demonstrator assembly, setup and operation. Experience in data recording, data analysis, and reporting findings. Prepares equipment, instruments, and experimental consumables. Works under the technical supervision of the Laboratory Manager or a mid-level or technical staff member.

Functional Responsibility: Performs both routine and specialized biological, chemical, and/or radiological/nuclear engineering/technical systems experimentation under the supervision of the scientists and/or engineers. Analyzes results, interprets data, and reports findings. Prepares equipment, instruments, and experimental consumables. Prepares and applies a variety of specialized solutions and reagents to experimental specimens and records the physical/chemical changes. Maintains careful records of lab/engineering activities and enters data in research project database. Prepares charts, graphs, and tables from results of experiments for presentation and/or publication by the research analysts/principal investigator(s). Performs routine calibrations of basic technical equipment.

Minimum Education/Years Experience:

Degree	Years of Experience
Ph.D./Masters	0
Bachelors	1
Associates	4
High School Diploma	6

Laboratory Technician

Minimum/General Experience: Experience in setup, operating, and operator maintenance of chemical/biological, or nuclear/radiological, engineering/technical laboratory instruments and equipment in support of research and developmental projects. Position supports experiments and laboratory demonstrator assembly, setup and operation. Experience in data recording, data analysis, and reporting findings. Prepares equipment, instruments, and experimental consumables. Works under the technical supervision of the Laboratory Manager or a mid-level or technical staff member.

Functional Responsibility: Assists scientists/engineers in sample preparation, processing samples, and accurate measurement and analysis in support of experimentation. Prepares equipment and materials and performs experiments. Calibrates equipment, performs routine maintenance, records data and supports operation of the Laboratory Information Management System. Analyzes results, interprets data, and reports findings. Prepares and applies a variety of specialized solutions and reagents to experimental specimens and records the physical/chemical changes. Maintains careful records of lab activities and enters data in research project database. Prepares charts, graphs, and tables from results of experiments for presentation and/or publication by the research analysts/principal investigator(s).

Minimum Education/Years Experience:

Degree	Years of Experience
Bachelors	0
Associates	2
High School Diploma	4

**ADVANCED CONCEPTS & TECHNOLOGIES
INTERNATIONAL, LLC**

PROFESSIONAL ENGINEERING SERVICES

**GSA FSS AUTHORIZED
SCHEDULE PRICELIST**

#	Labor Category	5/31/2006- 5/31/2007
1	Executive Program Manager	\$167.07
2	Program Manager	\$160.39
3	Sr. Mechanical Engineer	\$108.26
4	Mechanical Engineer	\$76.19
5	Jr. Mechanical Engineer	\$57.47
6	Senior Mechanical Engineer Technician	\$58.81
7	Mechanical Engineer Technician	\$52.13
8	Junior Mechanical Engineer Technician	\$34.08
9	Sr. Electrical Engineer	\$108.26
10	Electrical Engineer	\$76.19
11	Jr. Electrical Engineer	\$57.47
12	Senior Electrical Engineer Technician	\$58.81
13	Electrical Engineer Technician	\$52.13
14	Junior Electrical Engineer Technician	\$34.08
15	Executive Subject Matter Expert (ESME)	\$279.01
16	Sr Subject Matter Expert (SSME)	\$228.80
17	Subject Matter Expert (SME)	\$181.27
18	Senior Laboratory or Security Analyst	\$143.82
19	Laboratory or Security Analyst	\$100.27
20	Senior Chemical/Biological Engineer/Analyst	\$143.82
21	Chemical/Biological Engineer/Analyst	\$100.27
22	Junior Chemical/Biological Engineer/Analyst	\$74.02
23	Chemical/Biological Technician	\$72.51
24	Laboratory Technician	\$61.70

Notes:

- 1 - All rates are on-site rates.
- 2 - All rates include the .75% IFF.
- 3 - 4% Escalation