

Attachment J.2-F

Labor Categories and Descriptions

Title	Description	Minimum Education	Minimum Experience
Project Manager V	Supervises activities of engineers and oversees their assignments. Provides coordination for all technical activities while achieving optimum use of workers, machines, materials, and facilities. Supervises professional and paraprofessional engineering personnel. Typically reports to engineering manager level in the organization and is a first line supervisor.	BA/BS or equivalent	10+ years related experience
Electrical Engineer	Researches, develops, designs, tests, and evaluates electrical components, equipment, and systems, applying principles and techniques of electrical engineering. Designs electrical equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes. Designs, and may direct engineering personnel in, fabrication of test control apparatus and equipment, and determines methods, procedures, and conditions for testing products. Excludes paraprofessionals.	Level II: BE/BS or equivalent Level III: BE/BS or equivalent Level IV: BE/BS or equivalent Level V: BE/BS or equivalent	Level II: 2-4 Level III: 4-7 Level IV: 7+ Level V: 10+
Mechanical Engineer	Researches, develops, plans, and designs mechanical and electromechanical products and systems that may involve nanotechnology. Oversees and coordinates activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems. Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc. Excludes supervisory and paraprofessional level positions.	Level II: BE/BS or equivalent Level III: BE/BS or equivalent Level IV: BE/BS or equivalent Level V: BE/BS or equivalent	Level II: 2-4 Level III: 4-7 Level IV: 7+ Level V: 10+
Engineering Supervisor	Supervises activities of engineers and oversees their assignments. Provides coordination for all technical activities while achieving optimum use of workers, machines, materials, and facilities. Supervises professional and paraprofessional engineering personnel. Typically reports to engineering manager level in the organization and is a first line	BE/BS or equivalent	5 years related, 1-3 years supervisory experience

	supervisor.		
Quality Control Engineer	Plans and oversees activities concerned with development, application, and maintenance of quality standards. Develops and implements standards and methods for inspection, testing, and evaluation, utilizing knowledge in engineering fields.	Level III: BA/BS or equivalent Level IV: BA/BS or equivalent	Level III: 4-7 Level IV: 7+
Physicist	Plans and conducts basic research into physical phenomena, develops theories and laws on basis of observation and experiments, and devises methods to apply laws and theories of physics to industry, medicine, and other fields. Experiments with masers, lasers, cyclotrons, betatrons, telescopes, mass spectrometers, electron microscopes, and other equipment to observe structure and properties of matter, transformation and propagation of energy, relationships between matter and energy, and other physical phenomena. Defines and expresses observations and conclusions in mathematical terms.	Level III: MS or equivalent Level IV: MS or equivalent	Level III: 4-7 Level IV: 7+
Software Engineer	Develops, researches, designs, implements, tests, and evaluates software and systems, in conjunction with hardware product development, that enable computers to perform their applications, applying principles and techniques of computer science, engineering, and mathematical analysis. Excludes paraprofessional positions.	Level II: BE/BS or equivalent Level III: BE/BS or equivalent Level IV: BE/BS or equivalent Level V: BE/BS or equivalent	Level II: 2-4 Level III: 4-7 Level IV: 7+ Level V: 10+
Project Engineer	Directs, coordinates, and functionally heads planning, organization, control, integration, and completion of engineering projects within area of assigned responsibility. Plans and formulates engineering program and organizes project staff according to project requirements. Assigns project personnel to specific phases or aspects of project, such as technical studies, product design, preparation of specifications and technical plans, and product testing, in accordance with engineering disciplines of staff.	Level I: BE/BS or equivalent Level III: BE/BS or equivalent Level V: BE/BS or equivalent	Level I: 0-2 Level III: 4-7 Level V: 10+
Computer Aided	Drafts and prepares detail drawings of unusual, complex, or original design, working with	Level III: BA/BS or	Level III: 4-7 related

Design Drafter	<p>design originators. Creates designs from verbal or written instructions. Performs unusually difficult assignments requiring considerable initiative, resourcefulness, and drafting expertise.</p> <p>Drafts designs utilizing computer-aided drafting systems to prepare drawings and designs. Converses with engineers and other subject matter experts to interpret design concepts, determine nature and type of required detailed working drawings, and coordinate work with others. Uses required drafting and mechanical drawing skills, and knowledge of computer-assisted drafting (CAD) equipment and software.</p>	equivalent Level IV: BA/BS or equivalent	experience Level IV: 7+ related experience
Process Engineer	Plans, directs, and coordinates preparation of project documentation, such as engineering drawings, production specifications and schedules, and contract modifications, to ensure customer contract requirements are met. Reviews contract to determine documentation required for each phase of project, applying knowledge of engineering, construction, and manufacturing processes. Schedules due dates for drawings, specifications, software, technical manuals, and other documents.	<p>Level II: BE/BS or equivalent</p> <p>Level III: BE/BS or equivalent</p> <p>Level IV: BE/BS or equivalent</p>	<p>Level II: 2-4</p> <p>Level III: 4-7</p> <p>Level IV: 7+</p>
Technical Writer III	Develops, writes, and edits material for reports, manuals, briefs, proposals, instruction books, catalogs, and related technical and administrative publications concerned with work methods and procedures, and installation, operation, and maintenance. Acquires assignments from supervisor.	BA/BS or equivalent	4-7 years related experience
Telecommunications Analyst	<p>Researches, runs tests, evaluates, and recommends telecommunications and data network systems. Analyzes workload, including traffic and utilization trends.</p> <p>Interfaces with users, consultants, technical teams, and vendors for maximum guidance in determining the most appropriate type of hardware installation. Supports complex PCs and LAN/WAN networks throughout the organization. Requires advanced knowledge and experience in the area of local and wide area networking, communications, and related hardware and software.</p>	<p>Level III: BA/BS</p> <p>Level V: BA/BS</p>	<p>Level III: 4-7</p> <p>Level V: 10+</p>
Electrical	Constructs, tests, and changes related electric	High	4-7 years

Eng Technician III	components, equipment, products, and services, applying electrical theory and related knowledge. Uses principles and theories of science, engineering, and mathematics to solve technical problems. Work is more limited in scope and more practically oriented than that of scientists and engineers.	school diploma or equivalent	related experience
Inventory Control Clerk II	Compiles and keeps records of quantity, type, and value of material, property, equipment, merchandise, or supplies. Counts material, property, equipment, merchandise, or supplies and posts totals to inventory/property records. Verifies record computations against physical count of inventory and adjusts errors in computation or count, or investigates and reports reasons of discrepancies.	Level II: High school diploma or equivalent Level III: High school diploma or equivalent	Level II: 2-4 Level III: 4-7
Materials Director	Manages and administers materials management functions, such as the planning, procurement, storage, inventory control, and distribution of materials and products to meet company objectives and customer requirements. Oversees the flow of materials, parts, and assemblies within or between departments in accordance with production and shipping schedules or department priorities. Assures that maintenance of the inventory control system is accurate.	BA/BS or equivalent	5 years related, 1-3 years supervisory
Mechanical Eng Technician III	Assists mechanical engineers in the design, development, testing, and manufacturing of machinery, consumer products, and other equipment. Applies knowledge of mechanical engineering technology under direction of engineering and scientific staff. Work is limited in scope and more practically oriented than that of scientists and engineers.	High school diploma or equivalent	4-7 years related
Forecast Analyst II	Prepares production schedules for business unit or organization. Draws up master schedule to establish sequence and lead time of each operation to meet completion dates according to sales forecasts or customer orders. Arranges orders into a sequential work schedule. Examines production specifications and capacity data, and performs mathematical calculations to determine production processes, tools, and human resource requirements.	BA/BS or equivalent	2-4 years related
Forecast		BA/BS or	4-7 years

Analyst III		equivalent	related
Quality Assurance Engineering Manager II	Manages, plans, coordinates, and heads the quality control program designed to ensure continuous production/service consistent with established standards. Oversees the development and analysis of statistical data and specifications to determine present standards and establish proposed quality and reliability expectancy.	BA/BS or equivalent	4-7 years related, 3+ years supervisory