

**JOB INFORMATION**

Job Code	HC49A
Job Description Title	Prin Research Scientist/Eng I
Pay Grade	RE09
Range Minimum	\$56,610
33rd %	\$69,820
Range Midpoint	\$76,420
67th %	\$83,030
Range Maximum	\$96,230
Exemption Status	Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	6/21/2021

**JOB FAMILY AND FUNCTION**

Job Family:	Research
Job Function:	Disciplinary Research

**JOB SUMMARY**

Conducts research in various fields of engineering or science to discover facts or perform research directed toward investigations, evaluation, and application of engineering or scientific theories and principles.

**RESPONSIBILITIES**

- Leads research and development projects requiring the applications of professional engineering or scientific practices and principles.
- Provides technical contributions and develops concepts that lead to new leading edge technologies/techniques/methods.
- Provides in-depth technical advice to other areas.
- Operates, maintains, and repairs specialized equipment.
- Advises faculty, postdocs, students, and staff with design, modification, prototype, processes, analysis procedures, and other engineering solutions.
- Designs and fabricates equipment, materials, systems utilizing engineering and scientific practices and principles.
- Ensures supplies are available and operational for use in projects.
- May manage local computer systems for laboratory functionality.
- Develops proposals, budgets, schedules and progress reports and presents results.
- Evaluates findings to develop new concepts, equipment, or processes.

**SUPERVISORY RESPONSIBILITIES**

Supervisory Responsibility	May supervise employees but supervision is not the main focus of the job.
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**MINIMUM QUALIFICATIONS**

**To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only be utilized when the candidate does not meet the minimum requirements.**

## MINIMUM EDUCATION & EXPERIENCE

Education Level	Focus of Education		Years of Experience	Focus of Experience	
PhD	PhD in engineering or science	And	2 years of	Experience in engineering and research practices and principles.	Or
	Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.				

Substitutions Allowed for Education:  Yes

*Substitution allowed for Education: When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.*

## MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Familiarity with engineering/scientific staff, methods, practices and programs.

## MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/Desired
None Required.			

## REQUIRED PRE-EMPLOYMENT SCREENINGS

Motor Vehicle Record

## PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category:  Other

## PHYSICAL DEMANDS

Physical Demand	Never	Rarely	Occasionally	Frequently	Constantly	Weight
Standing		X				
Walking		X				
Sitting		X				
Lifting	X					
Climbing		X				
Stooping/ Kneeling/ Crouching		X				
Reaching		X				
Talking		X				
Hearing		X				
Repetitive Motions		X				
Eye/Hand/Foot Coordination		X				

# WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Extreme cold			X		
Extreme heat			X		
Humidity			X		
Wet			X		
Noise			X		
Hazards			X		
Temperature Change			X		
Atmospheric Conditions			X		
Vibration			X		

**Vision Requirements:**

Ability to see information in print and/or electronically.