AUBURN
Human Resources

Research Eng I, Huntsville

Job Description

JOB INFORMATION

Job Code	HU07A
Job Description Title	Research Eng I, Huntsville
Pay Grade	REUC
Range Minimum	$0
33rd %	$0
Range Midpoint	$0
67th %	$0
Range Maximum	$0
Exemption Status	Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	4/4/2023

JOB FAMILY AND FUNCTION

Job Family:	Research
Job Function:	Disciplinary Research

JOB SUMMARY

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

RESPONSIBILITIES

- Performs a variety of research and development projects requiring the applications of professional engineering or science-based practices and principles.
- Operates, maintains, and repairs specialized equipment.
- Advises faculty, principal research scientists and engineers, postdoctoral fellows, students, and staff with design, modification, prototype, processes, analysis procedures, and other engineering solutions.
- Designs and fabricates equipment, materials, systems utilizing engineering practices and principles.
- Performs failure analysis and other issues.
- 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 to internal or external stakeholder.
- Evaluates findings to develop new concepts, equipment, or processes.
- Prepares technical reports for long and short-range planning.

The responsibilities listed above show the typical duties for jobs in this classification. Actual tasks may differ depending on the department's needs. Other similar duties may be assigned with discretion of the supervisor. Not every duty will apply to every position, and the amount of time spent on each task can change based on department needs.

SUPERVISORY RESPONSIBILITIES

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

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 to 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	
Bachelor's Degree	Degree relevant to the position.	and	0 years of	Experience relevant to the position. Experience in various fields of science or engineering and research practices and principles. Experience in various fields of science to include mathematics, physical sciences, life sciences, computer science, etc.	

Substitutions Allowed for Experience	Yes

Substitution allowed for Experience: When a candidate has the required education, but lacks the required experience, they may normally apply additional appropriate education toward the experience requirement, at a rate of one (1) year relevant education per year of required experience.

MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Familiarity with engineering staff, methods, practices and programs.	

MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Desired	
	Some positions may require licensure as a professional engineer.	Upon Hire	Required	

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		

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
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 and distinguish colors.