AUBURN
Human Resources

Mechanical Engineer I

Job Description

JOB INFORMATION

Job Code	JA02A
Job Description Title	Mechanical Engineer I
Pay Grade	FM15
Range Minimum	$55,080
33rd %	$67,930
Range Midpoint	$74,360
67th %	$80,790
Range Maximum	$93,640
Exemption Status	Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	4/15/2022

JOB FAMILY AND FUNCTION

Job Family:	Facilities, Maintenance, & Operations
Job Function:	Design & Construction

JOB SUMMARY

Provides mechanical engineering services and review of work as well as trouble shoot existing mechanical systems to resolve issues for conformance to university standards and design, fabricate, and test experimental apparatus.

RESPONSIBILITIES

- Reviews and manages moderate to complex designs and technical drawings created by outside consultants.
- Provides mechanical engineering solutions, designs, and support for construction and maintenance projects on campus buildings and systems.
- Designs, fabricates, and tests experimental apparatus in support of research projects.
- Investigates building systems/equipment failures and difficulties to diagnose faulty operations, engineers solutions, and makes recommendations to maintenance crews.
- Provides on-site inspections for projects under construction and troubleshoots existing systems to resolve problems associated with those systems.
- Inspects ongoing construction projects for conformance to plans and specifications created in-house.
- Develops and maintains university design and construction standards.

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 in Mechanical Engineering required	and		Experience in engineering practices and principles	

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

Continuing developmental level.	
Limited exercise of judgment required when less common methods or procedures are necessary.	

MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Desired	
DL NUMBER - Driver License, Valid and in State			Required	And
	Certification as a Professional Engineer is required for levels V and VI of this job family.	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		
Humidity			X		

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
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.