



JOB INFORMATION

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|-------------------------|------------------------|
| Job Code | JA02B |
| Job Description Title | Mechanical Engineer II |
| Pay Grade | FM16 |
| Range Minimum | \$59,100 |
| 33rd % | \$72,900 |
| Range Midpoint | \$79,790 |
| 67th % | \$86,690 |
| Range Maximum | \$100,480 |
| Exemption Status | Exempt |
| Approved Date: | 1/1/1900 12:00:00 AM |
| Legacy Date Last Edited | 4/15/2022 |

JOB FAMILY AND FUNCTION

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|---------------|---------------------------------------|
| Job Family: | Facilities, Maintenance, & Operations |
| Job Function: | Design Management |

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.

SUPERVISORY RESPONSIBILITIES

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|----------------------------|---|
| 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 | |
|-------------------|---|-----|---------------------|--|--|
| Bachelor's Degree | Degree in Mechanical Engineering required for Level I, II, and III. Degree in Engineering or closely related field and certification as a Professional Engineer required for Level IV, V, and VI. | And | 2 years of | 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 | | 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 | | |

WORKING ENVIRONMENT

| Working Condition | Never | Rarely | Occasionally | Frequently | Constantly |
|------------------------|-------|--------|--------------|------------|------------|
| 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 and distinguish colors.