

**Posting Number:** 2024-006

**Job Title:** Mechanical Engineer

**Location:** Richland, WA

**Employment Category:** Full-Time Salaried and Part-Time Positions Available

**Job Summary:** Work as part of an engineering team in support of various projects for Lucas's clients at the Department of Energy (DOE) Hanford Site on nuclear facility projects as well as various commercial industrial projects. When assigned, may direct the work of other Engineers. Under general supervision, does conventional design engineering and analysis. Plans and conducts independent evaluation, selection, and adaptation of engineering techniques, procedures, and criteria.

Duties/Responsibilities may include dependent upon specific projects:

- Support the development of project functions and requirements documents.
- Support the development of project alternative analysis.
- Support the performance of mechanical engineering from conceptual design through final design.
- Provide hands-on engineering support for the design of infrastructure systems.
- Support facility preventative maintenance programs.
- Ability to troubleshoot mechanical systems and identify repair and equipment issues.
- Coordinating with original equipment providers to obtain timely support.
- Lead to the development of specifications for fully detailed, issued for fabrication / construction designs.
- Oversee fabrication, providing red-line and as-built drawing incorporation.
- Provide support to failure modes and effect analysis, proper descriptions of attributes and characteristics using standard quality clauses and enhanced/engineered quality provisions.
- Support constructability reviews at all levels of design.
- Support the resolution of Nonconformance Reports (NCR) or deficiencies report items.
- Support to oversight of construction, factory functional acceptance testing, and operational acceptance testing.

**Required Skills/Abilities:** Working level knowledge of national codes and standards for your discipline. Good written and oral communication skills a must. Experience in AutoCAD and 3D CAD programs a plus.

**Education and Experience:**

**Engineer:** Bachelor's degree in an engineering discipline with at least 5 years engineering experience or an equivalent combination of relevant education and experience. A Master's degree in engineering may qualify for up to five (5) years of the minimum experience requirement.

**Mid-Level Engineer:** Bachelor's degree in an engineering discipline with at least 8 years engineering experience or an equivalent combination of relevant education and experience. A Master's degree

in engineering or a professional engineering (PE) license may qualify for up to five (5) years of the minimum experience requirement.

*Senior Engineer:* Bachelor’s degree in an engineering discipline with at least 12 years of engineering experience or an equivalent combination of relevant education and experience. A Master’s degree in engineering or a professional engineering (PE) license may qualify for up to five (5) years of the minimum experience requirement.

**Pay Ranges:**

Category	Pay Range
Engineer	\$90,000 - \$120,000
Mid-Level Engineer	\$105,000 – \$140,000
Senior Engineer	\$130,000-\$175,000

**Benefits:**

Lucas offers a comprehensive benefit package that includes medical, dental and vision insurance, health savings account and flexible spending accounts, short and term-disability, life insurance, 401(k) employer match and paid time off.