

The **Mechanical Engineer** requires three (3) to eight (8) years of design experience. The objective is to perform more diverse engineering/design functions, utilizing knowledge and abilities in the application of engineering/design procedures, techniques, and criteria. Exercise of judgment is required on details of design and in making selections and adaptations of engineering alternatives. Limited supervision, continuous improvement and training is provided through co-design.

**Responsible** for designing building electrical systems for multiple industries including commercial, retail, education, restaurant, and entertainment service industries.

**Specific tasks are as follows:**

- Assessment of existing or new project conditions is required, and shall be capable of applying this information in the design.
- Communication with design team members, Project Managers and client for coordination of design criteria.
- Participate in selection process for basic HVAC systems.
- Match and select HVAC equipment for projects more complicated than packaged unitary equipment.
- Perform basic energy analysis calculations using ASHRAE methods and recognized software suites.
- Perform more complicated psychrometric analyses.
- Project profile includes prototype development, non-prototype or “rollout” projects.
- Selecting mechanical system type and size, hydronic system design with assistance, basic control system design.
- Communicate with landlord, outside consultants, and authority-having-jurisdiction regarding code review comments.
- Knowledge of energy codes including: IECC, ASHRAE 90.1, Title 24, Washington and Oregon energy codes. Prove conformance using Total Building Performance approach for small projects.
- Knowledge of mechanical codes, fire codes, and ASHRAE Standards as they apply to larger commercial projects.
- Ability to mentor other design personnel and work independently with no supervision other than co-design.
- Engineer’s cost estimation capability.
- Participates in Premieres, project retrospectives and continuous improvement activities.

**Position Requirements:**

- Bachelor’s Degree in Mechanical Engineering, BSArchE, advanced degree or equivalent experience.
- Must have a Professional Engineers License.
- Three (3) years minimum MEP design knowledge in commercial, retail, restaurant, education, and entertainment industry projects.
- REVIT/AutoCAD proficiency