

Welding Engineer

Summary

The WELDING ENGINEER will employ knowledge of welding, metallurgy, materials, physics, engineering, and standards for designing, examining, and evaluating welds. Additionally, the successful candidate will plan, supervise, and document welding operations using relevant drawings, codes, or contracts. Managing/Supervising welding teams and welding projects will also be necessary.

Educational Qualifications

- Minimum Associates Degree in Engineering, Welding, Metallurgy or related field or equivalent experience
- Welding, Welding Inspector and/or Welding Engineer certification preferred

Work Experience

- 1-3 years of related welding/fabrication experience

Duties/Responsibilities

Analyze engineering designs for welding requirements; Arrange/provide welding consultancy services; Audit suppliers to ensure the right quality and materials; Conduct non-destructive testing procedures; Design welded parts, assemblies, and structures; Develop/repair procedures and assess flaws; Develop standards, materials, weld joint design, and welding processes; Generate welding procedures and manage welding procedure qualifications; Investigate welding-related issues to increase productivity; Lead welding projects for obtaining desired results; Provide technical support to other engineers; Review welding processes, documentation, and procedures; Troubleshoot welding problems and provide solutions accordingly

Abilities/Skills

Able to design, create, and analyze blueprints/drawings; Able to work under pressure and deliver quality results; Excellent communication, interpersonal, and writing skills; Have solid leadership skills; Motivated and self-dependent while working; Must be computer literate; Possess an organized and detail-oriented mind; Possess analytical and problem-solving skills; Well organizational/administrative skills

Work Environment

- Welding engineers work both inside and outside office environments that may include testing labs and manufacturing shop floor.
- Some overnight travel may be required

Physical Requirements

- Ability to work in adverse conditions
- Have physical endurance and manual dexterity
- Perform twisting, lifting, stooping, and bending materials while fabricating/dismantling
- Possess steady hands and strong grips for holding equipment and materials

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