

## Entry Level Welding Engineer - Job ID - 11513

Livonia, MI

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Roush supplies comprehensive, integrated development services and provides customers with support that fuses technology and engineering. From design through prototyping, testing and manufacturing, we take our customers' visions from the sketch pad to production. We're focused, efficient, and we deliver. With over 3000 employees in more than 40 facilities across the United States, and interests around the world, Roush solves customers' problems and provides significant support to the automotive, performance products, military, entertainment, alternative fuels and consumer products industries. We are focused on performance, driven by technology, and committed to our customers' success. If you're only happy when your customers are happy, we want you on our team.

Roush is undergoing an exciting period of growth throughout the company. Due to continued success, we have a current opening for an Entry Level Welding Engineer to work in our manufacturing group. An Entry Level Welding Engineer should have an excellent work ethic and the ability to handle an ever changing work environment. The right candidate would support a diverse client base developing the required welding parameters and testing requirements necessary to fulfill each products lifecycle and client expectations. In addition, this position will work with management to provide process and fabrication input for our military, entertainment, and automotive products and provide support to a diverse client base developing the required welding parameters and testing requirements necessary to fulfill each products lifecycle and client expectations as an Entry Level Welding Engineer. The position is located in Livonia, MI.

### Responsibilities:

- Ensure that all weld procedures (WPS), welder's qualification records (WPQ) and process qualifications records (PQR) are maintained & updated.
- Provide manufacturing experience in the areas of design, application and operation of welding processes for the manufacture of welded products.
- Provide experience and training in the areas of PQR/WPS/WPQ development in compliance with various applicable welding standards, codes and/or contract documents.
- Provide experience in the areas of research and development to enhance welded products or processes, welding materials, manufacturing, fabrication and design of welded products.
- Prepare and perform/supervise destructive testing requirements.
- Prepare base material and weld consumable control requirements.
- Prepare documentation control requirements and review contract requirements and vendor proposal compliance.

### Qualifications

- Bachelor's degree in welding engineering
- Experience with engineering related internships or co-ops.
- Knowledge and understanding of design related to manufacturing.
- Familiar with D1.1, D1.3, D1.6
- Familiar with aerospace and commercial specifications for welding.
- Ability to develop processes and tooling to manufacture products through the analysis & interpretations of customer blueprints, requirements and specifications.
- Must have interpretation skills to correct and mark-up as required welding prints using AWS A2.4 standard welding symbols.
- Experience with resistance spot & seam welding.
- Solid understand of weld blueprints & symbols as a Welding Engineer.
- Strong working knowledge in strength of materials, heat transfer and fluid mechanics, electricity (current, voltage, resistance, impedance, circuits, etc.).
- Excellent verbal and written communication skills.
- Must have proficient computer skills.
- Demonstrate strong organization skills, ability to demonstrate attention to detail, and multi-task on multiple projects.

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Our benefits include: medical, dental, vision, life insurance, LTD, 401K, tuition reimbursement, paid vacation, and paid holidays.

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