

Internship Description

Work Site Name	Department/Position
Merritt Aluminum Products	Fabricator

Brief Overview of Internship

The Fabrication Internship will provide hands-on experience in a professional manufacturing environment while helping participants develop the skills needed for a career in fabrication and manufacturing. Interns will work alongside experienced fabricators and manufacturing team members, gaining exposure to fabrication processes, blueprint reading, material preparation, equipment operation, assembly, and quality standards.

Throughout the program, interns will receive practical training with an emphasis on safety, workmanship, quality, and efficiency. As their skills progress, interns may assist with production projects and complete increasingly independent fabrication and manufacturing tasks under supervision.

Throughout the program, interns will receive practical training with an emphasis on safety, workmanship, quality and efficiency. As their skills progress, interns may assist with production projects and complete increasingly independent fabrication and manufacturing tasks under supervision.

Internship Tasks/Projects

Interns will participate in a variety of hands-on welding, fabrication, and manufacturing activities based on current production needs and available projects. Tasks may include:

- Assisting with welding and fabrication projects
- Preparing materials and components for production
- Reading and working from drawings, blueprints and work instructions
- Operating fabrication equipment under appropriate supervision
- Performing basic fit-ups, assembly, grinding and finishing work
- Assisting with inspection and quality-control activities
- Maintaining a clean, organized and safe work area
- Supporting production and special projects as assigned

Internship Learning Goals (new skills/knowledge the intern will acquire)

Throughout the internship, the intern will have opportunities to develop and strengthen skills related to fabrication and manufacturing. Learning goals may include:

- Developing safe fabrication practices
- Improving fabrication technique, consistency and overall workmanship
- Gaining experience reading and interpreting drawings, blueprints and work instructions
- Learning to use fabrication and measuring equipment properly
- Understanding basic quality standards and inspection practices
- Developing problem-solving and troubleshooting skills
- Learning how the fabrication processes fit within the overall manufacturing process
- Strengthening communication, teamwork, time management and other workplace skill

Internship Site Address and Primary Contact Information	Internship Hours Start/End Times
1011 14 th St., Fort Lupton, CO 80621	7:00a - 3:30p
Physical requirements	Dress Code
• Stand and/or walk for extended periods of time • Frequently bend, reach, stoop, crouch, and work in various positions • Use hands and arms to operate fabrication and hand tools • Lift, carry, push, or pull materials and equipment, with assistance or lifting equipment when appropriate • Work around machinery, noise, heat, sparks, fumes, and other typical manufacturing conditions • Wear required personal protective equipment (PPE), including welding helmet, safety glasses, gloves, hearing protection, and protective clothing • Maintain sufficient coordination and awareness to safely perform assigned tasks in manufacturing environment • Perform other physical activities associated with assigned fabrication and production tasks Physical requirements may vary depending on assigned projects and responsibilities. Reasonable accommodation may be provided in accordance with applicable law.	Students are required to wear steel-toe or composite-toe safety boots and appropriate work attire, such as jeans or durable work pants, long-sleeve and short-sleeve shirts are permitted. For safety reasons, leggings, shorts, and sweatpants are not permitted in the work area. The wearing of shorts, flip-flop sandals, clothing that is pornographic, obscene, profane, discriminatory, harassing, insulting, derogatory, or otherwise unlawful at any time, and similar items of casual attire is not permitted. Hair should be clean and combed. Beards, mustaches and long hair will be permitted if they interfere with job functions safety, or the proper fit of required safety equipment. Clothing that reveals too much cleavage, your back, your chest, your stomach, or your underwear is not appropriate.
Occupational/Educational Requirements (skills, certifications needed)	Age/Grade Level of Intern
• Ability and willingness to follow all safety procedures and work instructions • Willingness to learn, take direction, and develop new technical skills • Basic ability to read measurements and use common measuring tools • Ability to work effectively both independently and as part of a team • Must meet any school or program requirements necessary to participate in the internship	16 years of age or older, regardless of grade level