



Research Job Function

Experimental/Research Machinist I

Grade 52

Summary

Performs precision work in the development, construction, and repair of experimental and scientific equipment, translating ideas originated by scientists/engineers into working models.

Typical Duties

1. Performs skilled work in set up and operation of all standard metal working machine tools, hand power tools, and hand tools to shape, fabricate, and install mechanical parts or assemblies.
2. Skillfully works with engineering materials, which include steel and copper alloys, as well as refractory metals and plastics, wood, and epoxy resins.
3. Finishes above mentioned materials to microtolerances where required.
4. Makes skilled use of fastening, joining, and sealing techniques such as soft and hard soldering, brazing, welding, cementing and adhesiving.
5. Works from machine drawing, sketches, or verbal instructions.
6. Normally organizes own working procedure and initiates stock procurements.
7. Works closely with other groups such as electronic, electrical, mechanical, and vacuum technicians in the fabrication of special parts and equipment.
8. Performs related duties as required.

Typical Requirements

Education: Trade school or apprenticeship program graduate preferred or equivalent experience acceptable.

Skills and Experience: Five or more years of related experience.

Note: This is a model job description reflecting a sample of typical duties. It is intended to suggest a general level of skill and complexity and as such is not a substitute for the local, specific descriptions for individual jobs.

Other [HUCTW generic job descriptions](#) can be found in HARVie's Union Contracts section.