

Manufacturing Designer



? What Manufacturing Designers Do

Career-development position which requires a moderate skill set in 2D or 3D design. The incumbent conducts tasks and assignments as directed and contributes to team objectives and outcomes. Some latitude and independent judgment in the design work is required; problem-solving responsibility is limited while working under defined guidelines

- May participate in machine creation, machine testing & validation processes
- Works under moderate supervision with some latitude for independent judgment

Essential Duties

- Utilize computer-aided design (CAD) software and/or drafting equipment to create 2D or 3D drawings, blue prints, schematics, and related technical renderings for creation of manufacturing equipment
- Create detailed drawings to capture scales, processes, dimensions, topography, angles, and other pertinent engineering information utilizing knowledge of engineering principles and applicable government regulations to develop manufacturing machines
- Document updates to design and ensure that any changes are recorded and prepared in accordance with engineering change procedures
- Specific duties may include electrical drawings and schematics of panel layouts, printed circuit board configurations, wire and cable connections, power distribution layouts, and other electrical schematics



Education & Qualifications

- Must be able to access shared database with government programs (U.S. Citizen or Permanent Resident of the U.S.)
- Associate of Science Degree in Engineering, or related field of study and a minimum of 4 years of relevant experience performing similar tasks
- Proficiency with word processing software; spreadsheet software; intermediate CAD & basic 3D modeling
- Demonstrated, strong communication skills, both verbal and written
- Demonstrated ability to collaborate well with peers and cross-functional teams and external customers



Get a Head Start....with these classes in middle and high school:

Algebra

Calculus

Physics

Chemistry

Computer Science

Physical Science