

Industrial and Manufacturing Engineers

Industrial and Manufacturing Engineers design, optimize, and manage production processes, systems, and workflows to improve efficiency, quality, and safety. They focus on reducing costs, maximizing productivity, and integrating technology and human resources effectively in manufacturing and industrial operations.

Duties and Responsibilities (Points):

- Design, analyze, and improve manufacturing processes and production systems
- Develop workflows, layouts, and operations to maximize efficiency
- Implement quality control procedures and monitor production standards
- Evaluate and select tools, equipment, and technology for production
- Identify and resolve operational issues, bottlenecks, and safety hazards
- Conduct time and motion studies to optimize labor and resource utilization
- Collaborate with engineers, managers, and staff on process improvements
- Prepare technical reports, documentation, and cost analyses
- Ensure compliance with safety, environmental, and industry regulations
- Plan and manage projects for process improvement, automation, or facility upgrades