



STEM Careers

Industrial Engineer

Job Description: Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.

What does an Industrial Engineer do?

- Plan and establish sequence of operations to develop and assemble parts or products to promote efficient utilization
- Draft and design layout of equipment, materials, and workspace to illustrate maximum efficiency using tools and computers
- Formulate sampling procedures and designs and develop forms and instructions for recording, evaluating, and reporting quality and reliability data
- Develop manufacturing methods, labor utilization standards, and cost analysis systems to promote efficient staff and faculty utilization
- Complete production reports, purchase orders, and material, tool, and equipment lists

Your Interests:

- Are you detail-oriented?
- Are you good at working with a team?
- Are you interested in planning and designing construction projects?

Outlook: BRIGHT

Average Salary - \$45.82 hourly, \$95,300 annually
Projected Job Openings - 23,300 in the next 10 years

Education/Program of Study:

- Entry level positions require a bachelor's degree in industrial engineering