



STEM Careers

Quality Assurance Engineer

Job Description: Design and plan protocols for equipment or processes to ensure products meet internal and external purity, safety, and quality requirements

What does a Quality Assurance Engineer do?

- Analyze validation test data to determine if systems or processes have met validation criteria
- Identify causes of production problems in systems that don't meet validation criteria
- Help plan and conduct testing for alternative energy products like fuel cells or synthetic jet fuels
- Communicate with regulatory agencies about results or compliance documentation
- Prepare reports or design statements based on validation and qualification test results, or reviews of procedures and protocols
- Create and maintain databases for tracking activities, test results, or validated systems
- Coordinate with businesses on implementing testing on their systems
- Perform audits of processes to check for compliance with requirements

Your Interests:

- Do you like working with others to solve problems?
- Can you communicate your ideas clearly?
- Are you good at analyzing data and being detailed?

Outlook: **Bright**

Average Salary - \$42.76 hourly, \$88,950 annual

Projected Job Openings - 23,300 over the next 10 years.

Education/Program of Study:

- Most occupations require a four-year bachelor's degree
 - Possible degree paths can include computer science, mechanical engineering, software engineering, or other related fields.

Sources:

<https://www.onetonline.org/link/summary/17-2112.02>