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.