

research scientist

job profile



education

Bachelor's degree in a closely related field for most positions

Master's degree or a Ph.D is preferred

Internships and cooperative research programs is desired



classes needed

- mathematics
- chemistry
- physics
- biology
- computer science
- communications

salary range

\$76,000 - \$134,000



what does a research scientist do?

The role of the research scientist is to set up and carry through experiments and investigations to broaden scientific knowledge in a particular area. The range of areas in which research scientists work is huge and varied. They apply the principles of chemistry, biology, physics and math to perform research with the intent of learning more about the world, developing products or strategies, or providing useful data to large organizations. The job of research scientists is to stay on the forefront of newly emerging technologies. Many work in teams with a variety of support staff, and they are found in a wide range of industries: chemicals, pharmaceuticals, food and renewable energy.



responsibilities of the job

- plan and conduct research experiments in order to analyze specific data and interpret results
- demonstrate the ability to conceptualize ideas and design project protocol
- use creativity to drive innovation in developing new products, methods or systems for applying research findings
- collaborate with multi-functional teams consisting of scientists, technical service representatives, marketing, sales, and manufacturing personnel
- provide technical support for introduction of new technology including trouble shooting, problem solving and sales growth support
- present findings to senior staff and other research teams or external customers
- establish relationships with customer technical organizations, and industry groups
- keep up to date with relevant scientific and technical developments