



OCCUPATIONAL TITLES

- Medical research assistant
- Pharmaceutical technician
- Forensic science technician
- Forest & conservation technician
- Patent lawyer
- Policy maker
- Educator*
- Scientist*
- Chemical technician
- Agriculture & food science technician
- Geological and petroleum technician

**May require additional education and/or training.*

EMPLOYMENT SETTINGS

- Medical research laboratories
- Government agencies
- Forensic science laboratories
- Oceanography laboratories
- Allied health settings
- Hospitals
- Seed manufacturers
- Animal laboratories
- Environmental laboratories
- Chemical engineering laboratories
- Manufacturing plants
- Industrial plants
- Oil & gas wells
- DNA laboratories
- Waste management
- Academic Research
- Policy making
- Patent law
- Education

TYPICAL WORK ACTIVITIES

- Conducting research and analysis
- Process, evaluate and communicate information
- Collecting and organizing data
- Develop and improve products & processes
- Researching food and agricultural products
- Perform experiments to improve yield
- Analyze organic substances
- Study living organisms & infectious agents
- Quality control
- Monitor environmental resources
- Analyze physical evidence
- Give testimony as expert witness
- Abstract thinking
- Review and write scientific policy
- Apply or review copyright and patent decisions

SKILLS & ABILITIES

- Forecasting scientific trends
- Problem solving and trouble shooting
- Extensive computer use
- Decision making
- Planning and prioritizing tasks
- Examining data
- Equipment maintenance
- Communication, both oral and written
- Ability to trace problems to their sources
- Recognizing elements, relationships, structures, and organizing principles
- Scientific analysis
- Communication
- Troubleshooting
- Mathematical reasoning
- Apply scientific method
- Risk assessment
- Scientific techniques

INTERNET SITES AND PROFESSIONAL ASSOCIATIONS

- Biotechnology Industry Organization, 1201 Maryland Ave., SW, Ste. 900, Washington, DC 20024 Internet: <http://www.bio.org>
- National Human Genome Research Institute, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892-2052. Internet: <http://www.genome.gov>
- National Center for Biotechnology Information, U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894. Internet: <http://www.ncbi.nlm.nih.gov>