

Other Professional Occupations in Physical Sciences

Other Professional Occupations in Physical Sciences are specialists who apply scientific principles to research, analyze, and solve complex problems in areas such as physics, chemistry, materials science, and environmental science. They contribute to innovation, technological development, and evidence-based decision-making across various industries and research institutions.

Duties and Powers

- Conduct research and experiments to explore physical, chemical, or material phenomena.
- Analyze and interpret scientific data using advanced methods, instruments, and software.
- Develop models, simulations, or prototypes to test theories and practical applications.
- Prepare technical reports, research papers, and presentations for scientific and industrial audiences.
- Advise organizations, policymakers, or stakeholders on scientific and technical issues.
- Collaborate with interdisciplinary teams to develop solutions to complex problems.
- Ensure compliance with safety, ethical, and regulatory standards in laboratory and field work.
- Design and implement measurement techniques, analytical methods, or experimental protocols.
- Monitor scientific developments, emerging technologies, and best practices in the field.
- Contribute to innovation, product development, and technological advancement through applied research.