



#GLADEOGRAPHIX PRESENTS

Medical Scientist

THE BUILDER
THE CREATOR
THE PROBLEM SOLVER

Medical scientists conduct research dealing with the understanding of human diseases and the improvement of human health. They engage in clinical investigation, research and development, or other related activities.

\$ **MEDIAN SALARY**
\$80,530

THINGS TO DO DURING SCHOOL



Volunteer at the hospital or research lab



Oversee large studies or large programs



Join math/ biomedical/ science clubs

EDUCATION

Bachelors

Biology
Chemistry
Related fields

*Some also have medical degrees: MD, DO, PharmD, Doctor of Medical Laboratory Sciences, MBBS

Ph.D

TYPES OF ORGANIZATIONS



Hospitals

FDA



Colleges, universities, and professional schools



Pharmaceutical and medicine manufacturing



Research and development in medical device, biotechnology companies

JOB RESPONSIBILITIES

- Design and conduct studies that investigate both human diseases and methods to prevent and treat them
- Prepare and analyze medical samples and data to investigate causes and treatment of toxicity, pathogens, or chronic diseases
- Standardize drug potency, doses, and methods to allow for the mass manufacturing and distribution of drugs and medicinal compounds
- Create and test medical devices
- Develop programs that improve health outcomes, in partnership with health departments, industry personnel, and physicians
- Write research grant proposals and apply for funding from government agencies and private funding sources
- Follow procedures to avoid contamination and maintain safety
- Many medical scientists form hypotheses and develop experiments, with little supervision. They often lead teams of technicians and, sometimes, students, who perform support tasks



To learn more about this career, visit

www. **GLADEO** .org

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