

UNIT 2 - BASIC PRINCIPLES OF BODY CHEMISTRY

CAREERS

Pharmacist (Biotechnology Research & Development)- The pharmacist ensures patients receive the most effective medications in the correct amount for their condition. They determine the amount of medication according to factors such as patient weight, and prepare the medication accordingly. Pharmacists counsel and educate patients about the medications they have been prescribed, so that patients know the correct way to take their medication. They teach patients about drug and food interactions. Many pharmacists are involved in research to develop more effective drugs for various illnesses.

Nuclear Medical Technician (Diagnostic Services) – The nuclear medical technicians prepare, administer, and measure radioactive isotopes in therapeutic diagnostic, and tracer studies utilizing a variety of radioisotope equipment. They prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. They subject patients to radiation. They execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.

Biomedical Chemist (Biotechnology Research & Development) – These chemists research chemical composition and responses of living organisms that affect vital processes such as growth and aging. They determine chemical actions and effects on organisms; such as the action of foods, drugs, or other substances on body functions and tissues.

Quality Control Technician (Biotechnology Research & Development) – The Q. C. technicians collect, study, and analyze information about patient treatments to find ways to better serve the patients. They look at cost effectiveness and patient satisfaction as well as patient outcomes.