December’s Healthcare Career Focus: Laboratory Technologist

Laboratory technologists perform medical and laboratory tests for the diagnoses, treatment, and prevention of disease. Lab Techs may work independently or as part of a team to collect, examine, and analyze samples. They are often also responsible for evaluating and interpreting results, acting as an important part of a patient-centered healthcare team. Laboratory technology requires a bachelor’s degree, whereas laboratory technicians have an associate’s degree.

What might I do as a Laboratory Technologist?

Collect blood or tissue samples from patients in such a way as to prevent contamination of samples

Conduct chemical analyses of body fluids, such as blood or saliva, using microscopes or automatic analyzers to detect abnormalities or disease and record findings

Evaluate the results of tests using special mechanical or electrical devices

Collaborate with other professionals to deliver high quality, patient-centered care

Set up, maintain, clean, and test sterility of medical laboratory equipment

Prepare solutions or reagents to be combined with samples, following standard formulas/experimental procedures

Choose a specialty, such as histotechnology, immunology, microbiology, or cytotechnology

How do I become a Laboratory Technologist?

• Take Biology, Chemistry and Math in High School

• Obtain a bachelor’s degree in Medical Laboratory Science or obtain an associate’s degree to become a laboratory technician

• Approved programs are listed at NAACLS website: https://www.naacls.org/Find-a-Program.aspx

• Take and pass a certification exam

Average Salary: Laboratory Technologist $65,000—70,000

Average Salary: Laboratory Technician $50,000—53,000
What is it really like to be a Laboratory Technologist?

According to the balance careers (https://www.thebalancecareers.com/what-is-a-medical-laboratory-technologist-526029), employers expect the following from Laboratory Technologists:

- Ability to work both independently and as a member of a team
- Excellent computer skills, including strong keyboarding and Microsoft Office skills
- Ability to self-motivate and prioritize work
- Ability to adjust to off-shift, holiday, on-call, and weekend schedules
- Ability to deal with variable problems and multi-task
- Strong organizational skills

Tag along on a Medical Laboratory Virtual Tour at: https://www.youtube.com/watch?v=uGsGA7a5HN0

Shadow a Medical Laboratory Scientist at Auckland Hospital in Australia as she shows a college student what a day in the life of a laboratory technologist is like: https://www.youtube.com/watch?v=_5yo31Pjx0c

“The best laboratories... are well known for their searching, mutual questioning...”

Bradley P. Fuhrman

“There is a dire need to create awareness regarding proper and safe use of laboratory equipment... since it not only affects the workers but the people attached to them...”

Abdul Qadeer Kahn

“A scientist in his laboratory is not a mere technician; he is also a child confronting natural phenomena that impress him as if they were fairy tales...”

Marie Curie

Western New York Rural Area Health Education Center
20 Duncan Street, Warsaw, New York 14569
585-786-6275
lgreen@r-ahec.org
www.r-ahec.org

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