Clinical Laboratory Science
IU School of Medicine

ABOUT THE MAJOR

The clinical laboratory science program provides a science-oriented curriculum that prepares students to accurately perform clinical laboratory procedures on biological samples from patients. Clinical laboratory technicians analyze simple and complex chemical components in body fluids, evaluate cellular components of blood, identify microorganisms and their antibiotic susceptibility patterns, and test compatibility when preparing blood products for administration to patients. This work helps physicians in diagnosing and treating diseases.

Skills and abilities this major develops includes: observation, scientific inquiry, attention to detail, knowledge of human body systems, and use of current technologies.

OPPORTUNITIES AFTER GRADUATION

Career Opportunities

According to the Occupational Outlook Handbook (2017), employment of clinical laboratory scientists and technicians is projected to grow 16% from 2014 to 2024, much faster than the average for all occupations. The aging population is expected to lead to a greater need to diagnose medical conditions, such as cancer and type 2 diabetes.

Salary Information

According to the Bureau of Labor Statistics, the average salary for medical and clinical laboratory technologists in the United States was $61,070 in 2016. In Indiana, the average salary for these positions was $63,830.

Graduate & Professional School Paths

Clinical Laboratory Science majors might pursue advanced degrees in the following areas: Health Administration, Dentistry, Medical School, Public Health, other science fields.

WHERE TO GET MORE INFORMATION

IU School of Medicine
hpp.iupui.edu

The American Society for Clinical Laboratory Sciences (ASCLS)
www.ascls.org

The American Society for Clinical Pathology
www.ascp.org

Sample Coursework:
- Immunology
- Topics in medical technology
- Genetics
- Statistics
- Microbiology
- Mycology/parasitology

Possible Careers:
- Clinical laboratory technician
- Consumer-product testing professional
- Forensic biological scientist
- Laboratory manager
- Research and product development professional

Where Could I Work?
- Advanced Testing Laboratory
- American Health Network
- AmeriPath Inc.
- Department of Veterans Affairs
- Mid America Clinical Labs

Complementing Interests:
Investigative, Realistic, Social

Get your interest code at go.iupui.edu/interests

Have questions for Academic & Career Development? Schedule an appointment:
acd.iupui.edu  (317) 274-4856