



## CLINICAL LABORATORY SCIENCE BACHELOR OF SCIENCE

Imagine being a member of a coalition of researchers, educators, and practitioners from many professions who work together to improve human health. We transform students into highly skilled health care practitioners who advance the health and well-being of society. Through research, we discover, evaluate, and implement new knowledge to improve models and methods of practice in pharmacy and health sciences from the urban to global levels. Arrive at your health career destination by accepting our invitation to explore the programs of the Eugene Applebaum College of Pharmacy and Health Sciences.

## imagine

### WHAT DOES A CLINICAL LABORATORY SCIENTIST DO?

Clinical laboratory scientists develop and conduct laboratory tests in support of patient medical care and research. They analyze blood, tissue and body fluid samples using sophisticated technology and analytical techniques. They often work in the forefront of health care, involved in developing new diagnostic procedures and supervising research projects. They draw on strong problem-solving skills and attention to precision and detail in their work, providing a foundation for many critical decisions made in the health care community.

For more information about a career in clinical laboratory science, please contact:

- American Society of Clinical Pathologists  
[www.ascp.org](http://www.ascp.org)
- American Society for Clinical Laboratory Science-Michigan  
[www.ascls-michigan.org](http://www.ascls-michigan.org)
- American Society for Clinical Laboratory Science  
[www.ascls.org](http://www.ascls.org)
- National Accrediting Agency for Clinical Laboratory Science (NAACLS)  
[www.naacls.org](http://www.naacls.org)

### WHY STUDY CLINICAL LAB SCIENCE?

*“Clinical Lab Science is an ever-growing profession and the opportunities in this field are endless. It provides a great mix of science and health care and the strong science background of the degree allows me to pursue other advanced health care degrees.”*

- JOHN KO  
Clinical Laboratory Scientist

## transform

### WHY WAYNE STATE UNIVERSITY?

Wayne State University is a premier urban research institution offering more than 370 academic programs through 13 schools and colleges to nearly 28,000 graduate and undergraduate students. The University provides a multidisciplinary approach to research and education, and collaborates closely with government, industry and other institutions on a range of programs.

The Eugene Applebaum College of Pharmacy and Health Sciences (EACPHS) is located on one of the largest academic medical campuses in the United States and puts you in close proximity to the nation's leading health care educators. A degree from the College puts you in good company, with more than 12,000 EACPHS-educated health care professionals working in Michigan.

The Wayne State University Clinical Laboratory Science/Medical Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS). The program has strong affiliations with healthcare providers in the metropolitan area, and graduates are in high demand.

### HOW DO I APPLY?

The application deadline is **April 1** of each year. The applicant must successfully complete the admission requirements, including application for admission to WSU and the professional program application. Completion of admission requirements does not guarantee an interview or admission into the program.

## ADMISSION REQUIREMENTS

- A minimum 2.70 overall GPA, as well as a minimum 2.70 cumulative GPA in all science prerequisite coursework.
- All grades in prerequisite requirements must be a minimum of “C” or better (2.0 on a 4.0 grade scale).
- No more than two repeats or withdrawals in science prerequisites is preferred (if all courses are withdrawn in one semester, it will be considered as one withdrawal).
- Complete all prerequisite and General Education courses by the end of the summer semester before start of the professional program.

## SCIENCE AND MATH PREREQUISITE COURSEWORK

BIO 1510 - Basic Life Mechanisms & Lab  
 BIO 2200 - Introductory Microbiology & Lab  
 BIO 2870 - Anatomy and Physiology & Lab  
 CHM 1220 & 1230 - General Chemistry I & Lab  
 CHM 1240 & 1250 - Organic Chemistry I & Lab  
 CHM 2220 & 2230 - Organic Chemistry II & Lab  
 (recommended) OR CHM 2280 & 2290 General  
 Chemistry II: Analytical Chemistry and Lab  
 MAT 1800 - Elementary Functions

**Science requirements must have been taken within the past six years.**

## NON-SCIENCE PREREQUISITE COURSEWORK

ENG 1020 - Introductory College Writing (BC)  
 ENG 3010 - Intermediate Writing (IC)  
 COM 1010 - Oral Communication (OC)\*  
 STA 1020 - Elementary Statistics  
 CLS 2080 - Clinical Laboratory Science Seminar  
 CLS 3330 - Medical Terminology

**Students who hold a previous bachelor's degree or who qualify under the university's MACRAO or MTA transfer policy (see [www.transfercredit.wayne.edu](http://www.transfercredit.wayne.edu)) are exempt from completing the requirements listed below.**

## UNIVERSITY GENERAL EDUCATION REQUIREMENTS

Critical Thinking Competency (CT)\*  
 PS 1010 - American Government (AI)  
 Historical Studies (HS)  
 Visual and Performing Arts (VP)  
 Foreign Culture (FC)  
 Social Science (SS)  
 Philosophy and Letters (PL)  
 (One of the following can be taken during the first year in the professional program: HS, VP, FC, SS, PL.)

\* Degree requirements that may be satisfied by coursework or examination. See [www.testing.wayne.edu](http://www.testing.wayne.edu) for further information.



John Ko is a Clinical Laboratory Scientist at the University of Michigan Blood Bank Laboratory where he performs manual and automated testing to determine blood types and identify antibodies. He also prepares blood components for transfusion, ensuring their compatibility with

patients. John was drawn to the profession by the science foundation and educational opportunities the degree provides. He appreciates how the profession “is centered around quality health care provided by teamwork.” He describes the clinical internship portion of the program at WSU as a major strength: “The variety of hospital affiliations allowed us placement in laboratories that met our personalities and professional goals. The internship also helped to make the transition from student to professional an easy one.”

## GENERAL DEADLINES FOR ADMISSION

### PROGRAM APPLICATION DUE - April 1

For application information:  
<http://cphs.wayne.edu/clinical-laboratory-science/>

### UNDERGRADUATE APPLICATION DUE - April 1

WSU Undergraduate Application:  
<http://wayne.edu/admissions/>  
 Office of Admissions  
 Welcome Center  
 42 W. Warren  
 Detroit, MI 48202  
 877-WSU-INFO or 313-577-3577

Office of Student Financial Aid  
 313-577-2100  
<http://wayne.edu/financial-aid/>

## GENERAL INFORMATION

Eugene Applebaum College of Pharmacy and Health Sciences  
 Office of Student Affairs  
 259 Mack Avenue, Suite 1600  
 Detroit, MI 48201  
 313-577-1716  
<http://cphs.wayne.edu/>  
[cphsinfo@wayne.edu](mailto:cphsinfo@wayne.edu)

## THE CLINICAL LABORATORY SCIENCE PROGRAM IS ACCREDITED BY:

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)  
 5600 N. River Road, Suite 720  
 Rosemont, IL 60018-5119  
 773-714-8880  
[www.naacls.org](http://www.naacls.org)