

# Clinical Laboratory Science

## at Benedictine University

### Why study clinical laboratory science at Benedictine?

Clinical laboratory science is one of the most rapidly expanding branches of medical science with the demand for qualified clinical laboratory scientists far exceeding the number of trained people available. Because medical services are continuing to expand rapidly throughout the country, well trained people in this field will be assured of positions for many years.

Benedictine University is one of the few schools in Illinois that offers a bachelor of science degree in clinical laboratory science. Our suburban location offers easy access to outstanding medical facilities in the Chicago area. Benedictine's low student-to-faculty ratio allows you individualized attention.

### What does a degree in clinical laboratory science at Benedictine offer?

A bachelor of science degree in clinical laboratory science from Benedictine will prepare you to:

- Perform and supervise tests and procedures in the clinical laboratory
- Recognize interpretations of laboratory tests and have knowledge of conditions affecting tests results
- Develop data that may be used by the physicians in determining the presence, extent and, as far as possible, the cause of disease
- Become a certified clinical laboratory scientist by passing the national certifying examinations

### What careers are available with a clinical laboratory science degree?

When you are certified as a clinical laboratory scientist, you can enter a variety of medical-related careers such as:

- Working in a clinical laboratory in hospitals, doctors' offices, pharmaceutical companies, public health departments and research institutions
- Working for a chemical supply company
- Working as a sales representative for a pharmaceutical company

### How does the program work?

When you major in clinical laboratory science at Benedictine University, you will follow a three-year sequence of liberal arts and science courses. You are required to maintain a grade point average of 2.8 or better. During your senior year, you will be eligible to complete a one calendar year clinical program at a hospital affiliated with the University — Hines Veterans Administration (VA) Hospital in Hines, Illinois — where you will fulfill your clinical requirements. The application deadline is December 1.

*Note: ONLY U.S. Citizens may enter the Hines VA program.*

When you have completed your clinical year (all grades must be "C" or better), you will receive a bachelor of science degree from Benedictine University. Upon completion of this program, you will be eligible to take the certifying examinations administered by the Board of Registry of the American Society of Clinical Pathologists and the National Credentialing Agency for Laboratory Personnel (NCA).

# Recommended Program

## Bachelor of Science in Clinical Laboratory Science

### FRESHMAN

Writing Colloquium	3
Trigonometry (MATH 111)	3
Principles of Organismal Biology	3
General Chemistry I and Lab	4
Music/Fine Arts core elective	3
	<b>16</b>

Research Writing	3
Principles of Biology	3
Principles of Biology Lab	1
General Chemistry II and Lab	4
Religious Studies core elective	3
Psychology/Sociology core elective	3
	<b>17</b>

### JUNIOR

Speech Communication	3
Cell Biology	3
Computer Science (CMSC 180 & 182)	3
Management	3
Anthropology/Political Science core elective	3
Cultural Heritage (HUMN 240)	3
	<b>18</b>

Human Physiology	4
Immunology	3
Statistics	3
General Ethics	3
Cultural Heritage (HUMN 250)	3
	<b>16</b>

Transfer students must complete 30 hours at Benedictine University to be considered an affiliate in the application process.

### SOPHOMORE

Chemical Analysis I	4
Microbiology	4
Genetics	3
College Physics I and Lab	4
Cultural Heritage (HUMN 220)	3
	<b>18</b>

Chemical Analysis II	4
College Physics II and Lab	4
Introduction to Organic and Biochemistry*	4
Cultural Heritage (HUMN 230)	3
Literature/Foreign Language core elective	3
	<b>18</b>

### SENIOR

One calendar year, 32-semester hour clinical curriculum at Hines VA Hospital.

- Hematology
- Clinical Microbiology
- Clinical Biochemistry
- Immunology/Serology
- Clinical Microscopy
- Coagulation
- Special Topics
- Blood Banking

**Acceptance into the senior-year program is not automatic and requires application.**

\*Students who may wish to attend professional school or graduate school should take Organic Chemistry (8 hours) and Biochemistry 361 (3 hours) instead of the Introduction to Organic and Biochemistry courses.