

# LABORATORY SCIENCE CONCENTRATION (B.H.S.)

The Bachelor of Health Science with a concentration in Laboratory Science is an excellent degree for students who wish to specialize in laboratory studies or advanced medical training outside of the typical hospital or clinical laboratory setting. This program is designed to provide students with necessary coursework to either continue with MLS studies after graduation or to apply to graduate programs in a health care field of their choice. The clinical experience is not included in this degree.

Students applying for admission to this program must apply through the Medical Laboratory Science admission procedure. See the Bachelor of Science in Medical Laboratory Science program page for details.

## Pre-professional Curriculum

Preprofessional science courses must be completed within the six years just prior to admission to a professional program. Exceptions to this policy may be made on a case-by-case basis at the discretion of the program faculty. Documentation of competency must be provided by the applicant requesting the exception.

These courses are taken under direction of the College of Liberal Arts and Sciences.

Pre-professional curriculum requirements for the Bachelor of Health Science with a concentration in Laboratory Science are identical to those for the Bachelor of Science in Medical Laboratory Science. Please see the Bachelor of Science in Medical Laboratory Science requirements page for details.

The BHS with a concentration in Laboratory Science degree requires a total of 120 credits.

## Professional Curriculum

### Required Courses

Code	Title	Credits
MLS 3020	Hematology I	4
MLS 3080	Instrumentation Lecture and Laboratory	4
MLS 3100	Urine and Body Fluid Analysis	3
MLS 3280	Clinical Chemistry Lecture and Laboratory	4
MLS 4210	Hemostasis Lecture and Laboratory	2
MLS 4230	Hematology II	3
MLS 5500	Immunology and Serology	3
MLS 5510	Diagnostic Microbiology I	4
MLS 5520	Diagnostic Microbiology II	4
MLS 5550	Molecular Diagnostics	3
<b>Total Credits</b>		<b>34</b>

### Approved Electives

Sufficient electives may be taken to complete the minimum of 120 credits needed for graduation. Electives must be approved by the MLS Program Director and may include (list is not all-inclusive):

Code	Title	Credits
MLS 3040	Immunohematology I	4
MLS 4040	Laboratory Operations	3
MLS 4990	Professional Directed Study	3

Genetics

Advanced Physiology

Nutrition

Cell Biology

General Physics

Advanced Psychology

Ethics:

PHI 1110      Ethical Issues in Health Care  
or PHI 2320 Introduction to Ethics

MLS 5530      Medical Laboratory Science Simulation Laboratory      2