

# MEDICAL LABORATORY SCIENCES (B.S.) (4+1)

Students who wish to pursue a career in Medical Laboratory Sciences and who have previously earned a B.S. in Biology (including program admission requirements) may enroll in a *second degree* B.S. in Medical Laboratory Sciences (4+1 program option). Students in this program complete a 15-month clinical laboratory program to earn a second degree B.S. in Medical Laboratory Sciences. Entrance requirements include a cumulative GPA of 2.5 and a GPA of 2.5 in science and math courses.

Students must have successfully completed a B.S. in Biology (including the requirements listed below) prior to enrolling in the second degree B.S. in Medical Laboratory Sciences. Students complete 32 credits (7 courses) in their program to earn a second Bachelors degree.

Required courses for acceptance to program include the following:

Code	Title	Credits
BIO-210	Microbiology	4
BIO-324	Fundamentals of Medical Laboratory Sciences	3
BIO-305	Human Anatomy	4
BIO-325	Human Physiology	4
BIO-420	Immunology	3
or BIO-450	Pathophysiology	
One of the following electives		4
BIO-342	Microbiology of Infectious Diseases	
BIO-370	Molecular Biology	
BIO-497	Undergraduate Research	
BCH-404	Advanced Biochemistry	

Courses during the clinical internship for a B.S. in Medical Laboratory Sciences include the following:

Code	Title	Credits
MED-410	Clinical Microbiology	8
MED-420	Clinical Chemistry	8
MED-430	Immunohematology I	4
MED-440	Hematology & Coagulation	6
MED-460	Molecular Pathology	2
MED-470	Professional Topics in Clinical Laboratory Sciences	2
MED-480	Clinical Immunology	2
<b>Total Credits</b>		<b>32</b>

Upon completion of the clinical internship, the student receives a B.S. in Medical Laboratory Sciences and is eligible to sit for the American Society of Clinical Pathology national exam in order to become a registered Medical Laboratory Scientist.

## Degree Plan for second degree B.S. in Medical Laboratory Sciences (4+1)

Course	Title	Credits
<b>First Year</b>		
<b>Summer</b>		
MED-470	Professional Topics in Clinical Laboratory Sciences	2
<b>Credits</b>		<b>2</b>

<b>Fall</b>		
MED-410	Clinical Microbiology	8
MED-430	Immunohematology I	4
MED-460	Molecular Pathology	2
MED-480	Clinical Immunology	2
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
MED-420	Clinical Chemistry	8
MED-440	Hematology & Coagulation	6
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>32</b>