

# Laboratory Studies, AS

## Program Description

The Associate Degree in Laboratory Studies will train students in laboratory protocols and techniques and prepare them for jobs in clinical laboratory settings. It will give students exposure to coursework in biology, chemistry, and medical lab sciences. It is designed under the model of stackable credentials. Within the coursework, students can earn a Certificate of Medical Laboratory Assistant Technology that will serve as both an institutional as well as industry credential that would qualify students for jobs as a laboratory assistant. Certificate completion can occur in as little as two semesters. This stackable credential fits within the proposed associate degree. The associate degree itself would stack into any one of three existing bachelor's degrees, thus allowing a student to earn three awards during their undergraduate experience.

## Program Curriculum

**60 credits**

### DSU General Education Requirements

All DSU General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to DSU's minimum General Education standards in American Institutions, English, and Mathematics.

Code	Title	Hours
General Education Core Requirements ( <a href="http://catalog.dixie.edu/programs/generaleducation/#gerequirementstext">catalog.dixie.edu/programs/generaleducation/#gerequirementstext</a> )		
English		3-7
Mathematics		3-5
American Institutions		3-6
Life Sciences		3-10
Physical Sciences		3-5
Laboratory Science		0-1
Fine Arts		3
Literature/Humanities		3
Social & Behavioral Sciences		3
Exploration		3-5

Code	Title	Hours
BIOL 1610 & BIOL 1615	Principles of Biology I (LS) and Principles of Biology I Lab (LAB)	5
BIOL 2060 & BIOL 2065	Principles of Microbiology and Principles of Microbiology Lab	4
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
BIOL 2890R or MLS 2890R	Laboratory Internship Laboratory Internship	2
COMM 2110	Interpersonal Communication (SS, GC)	3
MATH 1040 or STAT 2040	Introduction to Statistics (MA) (prerequisite: MATH 1010 or equivalent placement score) Business Statistics	3
MATH 1050	College Algebra / Pre-Calculus (MA) (or higher)	4
MLS 1113	Foundations of Medical Lab Science	3
Select one of the below chemistry tracks:		10
CHEM 1110 & CHEM 1115 & CHEM 1120 & CHEM 1125	Elementary General/Organic Chemistry (PS) and Elem General/Organic Chemistry Lab (LAB) and Elem Organic / Bio Chemistry and Elem Organic/Bio Chemistry Lab	

Or

CHEM 1210 & CHEM 1215 & CHEM 2310 & CHEM 2315	Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB) and Organic Chemistry I and Organic Chemistry I Lab (Prerequisite to Organic Chemistry: CHEM 1220/1225)
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## **Graduation Requirements**

1. Complete a minimum of 60 college-level credits (1000 and above).
2. Complete at least 20 lower-division credits at DSU for institutional residency.
3. Grade of C- or higher and cumulative GPA 2.0 or higher in all required courses.