

# PRE-PROFESSIONAL SCIENCES, ASSOCIATE

## Program Description

The associate degree in Pre-Professional Sciences prepares students for working in a health-related field such as medical, dental, optometry, podiatry, chiropractic, veterinary, pharmacy, and physician assistant. The degree combines theory and science concepts building on a core of biology and chemistry classes, along with hands-on experiences in our state-of-the-art laboratories. The program is an excellent preparation for students who wish to seek employment as a laboratory technician, consultant, or a science researcher. It is also excellent preparation for students who intend on applying to professional and graduate school and includes coursework that is required and/or highly desired by those programs.

## Program Learning Outcomes

- Have practical and theoretical knowledge of biology and chemistry.
- Have lab experience and competence in use of basic instrumentation and safe practices.
- Research and synthesize the scientific literature for information relevant to a current scientific investigation.
- Design and conduct a scientific investigation of a testable hypothesis or methodology using appropriate tools and techniques.

## Degree Requirements

Code	Title	Hours
<b>Biology &amp; Chemistry</b>		
BIOL 121	Human Anatomy & Physiology I	4
BIOL 122	Human Anatomy & Physiology II	4
BIOL 131	General Biology: Cells	4
BIOL 132	General Biology: Organisms	4
BIOL 204	General Microbiology	4
CHEM 115	General Chemistry I	5
CHEM 116	General Chemistry II	5
CHEM 225	Organic Chemistry I	4
CHEM 326	Organic Chemistry II	4
<b>Support Courses</b>		
ENGL 110	First-Year Composition I	3
ENGL 111	First-Year Composition II	3
COMM 101	Fund/Speech Communication	3
MATH 111	College Algebra	3
MATH 207	Prin of Statistical Methods	3
Select one of the following sequences:		8
PHYS 221 & PHYS 222	Principles of Physics I and Principles of Physics II	
PHYS 231 & PHYS 232	Appl Phys Engineer/Scientist I and App Phy Engineer Scientist II	
<b>Social Science Elective</b>		
PSYC 101	Intro to Psychological Science	4
or SOCY 101	Introduction to Sociology	
<b>Total Hours</b>		<b>65</b>

**General Education:** All LSSU Associate's degree candidates must complete the LSSU General Education Requirements.

**A minimum of 62 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is required in your Major, and a gpa of 2.00 or higher is required in your General Education Requirements.**