

Laboratory Sciences Minor

Program Director: Robert Styer, PhD
Office Location: Saint Augustine Center Rm. 372
Telephone: (610) 519-4845
[Website](#)

About

The Laboratory Sciences Minor trains the student in careful analysis and opens potential career paths in science-intensive industries such as environmental or biopharmaceutical or medical research careers. This minor is not allowed in combination with a science or engineering major. It is designed for liberal arts or business majors who desire a broad understanding of science and its experimental methods.

Program: [Comprehensive Science](#)

Type: Minor

MINOR: Laboratory Science (18 credits)

The minor in Laboratory Sciences requires six science courses with accompanying hands-on laboratories. It is open to students in Arts, Business, and Nursing (not open to students in the sciences or engineering). The six courses must span at least three science disciplines. At most two AP course credits may be applied. MSE courses may be used, with the discipline of an MSE course determined by the primary focus of the laboratory component of the course.

Program Notes:

- Courses that fulfill minor requirements may be used to fulfill other requirements (i.e., primary major, core curriculum, minors, concentrations, or free electives).
- Eligible Courses: Science courses that have a hands-on experiential laboratory component, traditionally considered “wet lab” or “field work”, that is, hands on use of physical materials and instrumentation in a physical laboratory or field setting, generally two to three lab hours in addition to the three lecture hours per week.

Course	Title	Credits
<hr/>		
Examples of Eligible Courses for Laboratory Sciences		
<hr/>		

Category Descriptions

Examples of Eligible Courses for Laboratory Sciences

Below is a list of courses which may count toward the Laboratory Sciences minor. This is not a complete list.

Course	Title	Credits
	AST 2120 & 2133	5
	AST 2122 & 2134	5
AST 4121	Undergrad Research I	3
BIO 1205	Human Anatomy & Physiology I	4
BIO 1206	Human Anatomy & Physiology II	4
BIO 2105	General Biology I	4
BIO 2106	General Biology II	4
BIO 3015	Animal Behavior	4
BIO 3055	Human Physiology	4
BIO 3155	Comparative Anatomy	4
BIO 3225	Imaging Technology	4
BIO 3385	Global Change Ecology	4
BIO 3405	Higher Vertebrates	4
BIO 3455	Histology	4
BIO 3485	Marine Biology	4
BIO 3525	Entomology	4
BIO 3595	General Microbiology	4
BIO 4105	Medical Microbiology	4
BIO 4205	Cell Biology	4
	BIO 4251 & 4252	4
BIO 4355	Experimental Genetics	4
	BIO 4451/52	4
BIO 4505	Molecular Biology	4
BIO 4605	Neurobiology	4
	CHM 1151 & 1103	5
	CHM 1152 & 1104	5
	CHM 1131 & 1107	4
	CHM 1134 & 1108	4
	CHM 1311 & 1301	4
	CHM 1502 & 3201	4
	CHM 2211 & 2201	4
	CHM 2212 & CHM 2202	4
	CHM 3311 & 3301	5
GEV 1051	Environmental Science II	4
GEV 1750	Geo-Techniques	4
GEV 2310	Environmental Chemistry	4
GEV 4323	Watershed Biogeochemistry	4
GEV 4700	Geographic Information Systems	4
	PHY 1100 & 1101	4
	PHY 1102 & 1103	4
	PHY 2402 & 2403	4
	PHY 2410 & 2411	4
	PHY 2412 & 2413	4
	PHY 2414 & 2415	4
	PHY 3400 & 4801	5