

BIOLOGICAL SCIENCES, ASSOCIATE OF SCIENCE (ASLT)

Locations: Gonzales, St. Charles, Online

The Associate of Science/Louisiana Transfer degree, Biological Sciences concentration, is a 60-credit hour program designed for students who are planning to transfer to a four-year college/university and major in a biological science or physical science degree program. It is also for students who may not be planning to transfer to a four-year institution but wish to find employment in one of the various fields related to biological or physical sciences. All courses applied to the degree must be passed with a 'C' or better. Developmental courses will not be applied to the degree. Students who plan to transfer should consult with an RPCC Advisor, as well as an advisor at the university they plan to transfer to, to assure transferability of credit. Completion of the ASLT degree guarantees that the student has met, in full, all lower division general education requirements at the receiving Louisiana public university. Graduates transferring with the transfer degree will have junior status. Courses or GPA requirements for specific majors, departments, or schools are not automatically satisfied by an ASLT degree.

Curriculum

Program of Study – Suggested Sequence of Courses

Course	Title	Hours
First Semester		
ENGL 1013	English Composition I (General Education, English Composition) ¹	3
MATH 1213	College Algebra (General Education, Mathematics/Analytical Reasoning - MATH 1213, College Algebra) ¹	3
General Education, Humanities - Select three hours from HIST, PHIL 1013, PHIL 2013, RELS 2213, or 2000-level ENGL (English Literature)		3
General Education, Natural Science - BIOL 1033		3
BIOL 1031	Principles of Biology Lab I	1
General Education, Social Science - Select 3 hours from ANTH, ECON, GEOG, POLI, PSYC, SOCL, WGNS 2503, or CRJU 1013		3
Hours		16
Second Semester		
ENGL 1023	English Composition II (General Education, English Composition)	3
General Education, Mathematics/Analytics Reasoning - select MATH 1223 or MATH 2303		3
General Education, Natural Science - BIOL 1043 (second of a two-course sequence)		3
BIOL 1041	Principles of Biology Lab II	1
General Education, Social Science - Select 3 hours from ANTH, ECON, GEOG, POLI, PSYC, SOCL, WGNS 2503, or CRJU 1013		3
General Education, Fine Arts - choose three hours from ARTS, MUSC, or THTR		3
Hours		16
Third Semester		
General Education, Humanities - Select any 2000-level ENGL ¹		3
General Education, Natural Science - CHEM 1123		3
CHEM 1121	Chemistry Laboratory I	1
General Education, Humanities - Choose three hours from HIST, PHIL 1013, PHIL 2013, or RELS 2213		3
Natural Science or Humanities Elective ²		3
Hours		13
Fourth Semester		
Natural Science Elective ²		3

Natural Science, Mathematics, or Humanities Elective ²	3
Natural Science, Mathematics, or Humanities Elective ²	3
Natural Science or Humanities Elective ²	3
Natural Science or Humanities Elective ²	3
Hours	15
Total Hours	60

¹ Students required to take both ENGL and MATH co-requisite courses: please speak with your Student Success Coach about adjusting your sequence of courses for this program.

² Electives Options: Students should consult with their RPCC Advisor and with an advisor at the desired transfer institution to make these selections.

3-18 credit hours in Natural Sciences (lectures/labs): BIOL, CHEM, PHSC, PHYS, ENV5

0-12 credit hours in Humanities

0-6 credit hours in Mathematics/Analytical Reasoning

Upon successful completion of the program, the graduate will be able to:

1. Apply the scientific method in laboratory activities.
2. Correlate concepts of biological sciences to current societal and global events and/or issues.
3. Demonstrate competencies in biological sciences required for various transfer pathways in biological sciences.

Universal Transfer Pathway in Biology

Students interested in pursuing a bachelor's degree in Biology upon completion of the ASLT Biological Sciences concentration are encouraged to select the courses listed below for the Universal Transfer Pathway in Biology (<https://www.laregents.edu/wp-content/uploads/2024/06/LA-Transfer-Pathways-Biology.pdf>):

Code	Title	Hours
General Education Courses		
ENGL 1013	English Composition I	3
ENGL 1023	English Composition II	3
Mathematics - Select two of the following:		6
MATH 1213	College Algebra	
MATH 1223	Plane Trigonometry	
MATH 2303	Statistics I	
BIOL 1033	Principles of Biology I (Natural Science)	3
BIOL 1043	Principles of Biology II (Natural Science)	3
CHEM 1123	Chemistry I (Natural Science)	3
Select one of the following: Any ANTH, ECON, GEOG, POLI, PSYC, SOCL, WGNS 2503, or CRJU 1013		3
Select one of the following: Any ANTH, ECON, GEOG, POLI, PSYC, SOCL, WGNS 2503, or CRJU 1013		3
Any 2000-level ENGL		3
Select one of the following: HIST, PHIL 1013, PHIL 2013, RELS 2213		3
Select one of the following: HIST, PHIL 1013, PHIL 2013, RELS 2213, or any 2000-level ENGL		3
Any ARTS, MUSC, or THTR		3
Pathway-Specific Courses		
CHEM 1121	Chemistry Laboratory I	1
CHEM 1133	Chemistry II	3
CHEM 1131	Chemistry Laboratory II	1

BIOL 1031	Principles of Biology Lab I	1
BIOL 1041	Principles of Biology Lab II	1
Any BIOL (lecture/lab)		6
Select one of the following:		8
PHYS 2113 & PHYS 2111 & PHYS 2123 & PHYS 2121	General Physics I and General Physics Lab I and General Physics II and General Physics Lab II	
CHEM 2213 & CHEM 2211 & CHEM 2223 & CHEM 2221	Organic Chemistry I and Organic Chemistry Lab I and Organic Chemistry II and Organic Chemistry Lab II	
Total Hours		60

CRJU 2213	Criminal Law	
BIOL 2993	Forensic Science Externship	
Hours		14
Total Hours		60

ASLT, Biological Sciences Concentration, Forensic Science Pathway

The Forensic Science Pathway is intended for students specifically interested in pursuing a forensic science or related degree OR employment in law enforcement. This pathway is supported by Southern University, New Orleans, and the Ascension Parish Sheriff's Office.

Suggested Sequence of Courses - Program of Study

Course	Title	Hours
First Semester		
ENGL 1013	English Composition I (General Education, English Composition)	3
MATH 1213	College Algebra (General Education, Mathematics/Analytics Reasoning)	3
HIST 2013	American History I (General Education, Humanities)	3
BIOL 1033	Principles of Biology I (General Education, Natural Science - first of a two-course sequence)	3
BIOL 1031	Principles of Biology Lab I	1
CRJU 1013	Intro to Criminal Justice (General Education, Social Science)	3
Hours		16
Second Semester		
ENGL 1023	English Composition II (General Education, English Composition)	3
MATH 2303	Statistics I (General Education, Mathematics/Analytics Reasoning)	3
BIOL 1043	Principles of Biology II (General Education, Natural Science - second of a two-course sequence)	3
BIOL 1041	Principles of Biology Lab II	1
General Education, Social Science - Select one of the following:		3
ANTH 2003	Intro to Forensic Anthropology	
PSYC 2013	Introduction to Psychology	
General Education, Fine Arts - Select any ARTS, MUSC, or THTR		3
Hours		16
Third Semester		
PHIL 2013	Introduction to Ethics (General Education, Humanities)	3
CHEM 1123	Chemistry I (General Education, Natural Science)	3
CHEM 1121	Chemistry Laboratory I	1
CRJU 2093	Intro to Forensic Science	3
BIOL 2304	Forensic Biology	4
Hours		14
Fourth Semester		
General Education, Humanities - English Literature - Select any 2000-level ENGL ¹		3
CHEM 1133	Chemistry II	3
CHEM 1131	Chemistry Laboratory II	1
CRJU 2104	Intro Crime Scene Investigatns	4
Select one of the following:		3