

## **Biological Sciences (Associate of Science/Louisiana Transfer Degree)**

The Biological Sciences Track in General Science provides students with the foundational knowledge necessary to continue their education in pursuit of a four-year degree in the biological/life sciences fields. The curriculum is part of the Associate of Science/Louisiana Transfer Degree program (AS/LT), [www.latransferdegree.org](http://www.latransferdegree.org).

Completion of a Louisiana Transfer degree guarantees that the student has met, in full, all lower division general education requirements for all receiving Louisiana public universities. Graduates who transfer with a Louisiana Transfer degree will be assigned junior status at the receiving institution. Note that course and GPA requirements for specific majors, departments, and schools must be met independently and should be verified by the student.

Students should carefully note that Natural Science courses for science majors must be chosen (e.g., BIOL 1033 instead of BIOL 1013, etc.).

To receive this degree, the student must:

- Earn a “C” or better in all courses used towards the degree.
- Complete the coursework listed below.

**Program Outcomes. Upon successful completion of the program, the graduate will be able to:**

1. Develop competencies in the key concepts in biological science disciplines.
2. Apply the process of science using quantitative reasoning, modeling and technology.
3. Analyze the dynamic interactions of science, technology and society.
4. Develop competencies in biological sciences required for various transfer pathways in biological sciences.

### **PROGRAM OF STUDY**

<b>First Semester</b>		<b>Credit Hours</b>
BIOL 1033	Biology I for Science Majors	3
BIOL 1031	Biology I Lab for Science Majors	1
ENGL 1013	English Composition I	3
Any Gen Ed Humanities <sup>1</sup>		3
Gen. Ed. Arts Elective		3
<i>Choose one of the following based on your math placement scores:</i>		
MATH 1213	College Algebra	
MATH 1223	Plane Trigonometry	
MATH 1235	College Algebra and Trigonometry	
Any Statistics Course <sup>1</sup>		
MATH 2115	Calculus I	
MATH 2125	Calculus II	3-5
		<b>16</b>
<b>Second Semester</b>		<b>Credit Hours</b>
BIOL 1043	Biology II for Science Majors	3
BIOL 1041	Biology II Lab for Science Majors	1
ENGL 1023	English Composition II	3

CHEM 1123	Chemistry I for Science Majors	3
CHEM 1121	Chemistry I Lab	1

Choose one of the following (must be a higher level MATH than first semester):

MATH 1223	Plane Trigonometry	
MATH 1235	College Algebra and Trigonometry	
MATH 2115	Calculus I	
MATH 2125	Calculus II	
Any Statistics Course <sup>2</sup>		3-5

3-5

**14**

<b>Third Semester</b>	<b>Credit Hours</b>
Natural Science <sup>2</sup>	3-4
Natural Science or Gen-Ed Humanities <sup>1</sup> or MATH	3-5
Any Gen-Ed. Humanities <sup>1</sup>	3
Any Gen-Ed. Social Science	3
	<b>14</b>

<b>Fourth Semester</b>	<b>Credit Hours</b>
Natural Science <sup>3</sup>	3-4
Any Gen-Ed. Literature	3
Natural Science or Gen-Ed. Humanities <sup>1</sup> or MATH	3-5
Any Gen-Ed. Social Science at the 2000 level	3
Natural Science or Gen-Ed Humanities <sup>3</sup> or MATH	3-5
	<b>16</b>

Total Program Hours **60**

- <sup>1</sup> The anticipated major or area of interest will impact the type and number of humanities classes that should be completed.
- <sup>2</sup> To take a Statistics course students must complete MATH 1303, MATH 2084 or both MATH 2303 and MATH 2313 to meet the Statistics requirement at four-year universities.
- <sup>3</sup> Choose at least 6 hours from Natural Science lecture and lab courses; Chemistry, Organic Chemistry, Biology, Microbiology, and other natural science courses.

Contact the STEM Division for courses that are only offered in fall or spring semester.

For more information, contact the Division of Science, Technology, Engineering, and Mathematics at (225) 216-8226.