

## **Physical Science (Associate of Science Louisiana Transfer Degree)**

The Physical Science Track in General Science provides students with the foundational knowledge necessary to continue their education in pursuit of a four-year degree in physical science fields. The curriculum is part of the Associate of Science Louisiana Transfer Degree program (ASLT, [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 the *Exclusionary Courses* listed in the **General Education Requirements** section – some courses are exclusive to each other and cannot both be taken for credit (*e.g.*, MATH 1113 and MATH 1213). Also, Natural Science courses for science majors must be chosen (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 physical 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 physical sciences required for various transfer pathways in physical sciences.

### **PROGRAM OF STUDY**

<b>First Semester</b>		<b>Credit Hours</b>
ENGL 1013	English Composition I	3
CHEM 1123	Chemistry I for Science Majors	3
CHEM 1121	Chemistry I Lab	1
MATH 2115	Calculus I	5
Gen Ed Arts Elective		3
		<b>15</b>
<b>Second Semester</b>		<b>Credit Hours</b>
ENGL 1023	English Composition II	3
CHEM 1133	Chemistry II for Science Majors	3
CHEM 1131	Chemistry II Lab	1
MATH 2125	Calculus II	5
BIOL 1033	Biology I for Science Majors	3
		<b>15</b>

<b>Third Semester</b>	<b>Credit Hours</b>
Any Natural Science/Engineering/Math combination <sup>1</sup>	6
Any Gen-Ed. ENGL Literature	3
Any Gen-Ed. Social Science	3
Any Gen-Ed Humanities <sup>2</sup>	3
	<hr/> 15
 <b>Fourth Semester</b>	 <b>Credit Hours</b>
Any Natural Science/Engineering/Math or Humanities combination <sup>1&amp;2</sup>	9
Any Gen-Ed. Humanities <sup>2</sup>	3
Any Gen-Ed. Social Science at 2000 level	3
	<hr/> <b>15</b>
 Total Program Hours	 <b>60</b>

<sup>1</sup>Choose Natural Science courses Chemistry, Biology, Physics, (with or without corresponding Lab courses) or Engineering or Math courses to fulfill the required hours.

<sup>2</sup>The anticipated major of area of interest will impact the type and number of humanities classes that should be completed, or which type of physics classes would be most appropriate.

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.