

**Life Sciences / Biology (BIO)
Life Sciences Department
School of Natural & Social Sciences
Carhart Science Building**

Objectives: The Biology/Life Sciences major provides students with career choices in pre-health science including pre-medicine, pre-physician assistant, pre-physical therapy, pre-dentistry and dental hygiene, as well as biotechnology, organismal biology, environmental biology, or biology education. The Biology/ Life Sciences program also offers courses to students preparing for further study in Clinical Laboratory Science, Mortuary Science, Respiratory Therapy, other health science fields, Agriculture, Forestry, or Wildlife Management. Courses in Biology offer majors and non-majors the background required to think critically about the role of the living world in their lives.

**Life Sciences Major (BA or BS) 42-55 hours
Life Sciences Core: 12 hours**

BIO	110 Biology Concepts.....	4
CHE	106 General Chemistry I.....	4
PHY	201 General Physics I.....	3
	321 Physics Laboratory I.....	1

Clinical Laboratory Science Concentration: 12 hour core + 43 hours + Clinical year

MAT 180 Applied Probability and Statistics (3) must be taken for the Block 2 Mathematics General Education requirement.

BIO	220 Human Anatomy.....	4
	320 Molecular Genetics.....	4
	340 Human Physiology.....	4
	385 Microbiology.....	4
	486 Immunology.....	2
CHE	107 General Chemistry II.....	4
	208 Intro Organic Chem.....	4
	301 Introduction to Clinical Chemistry.....	1
	326 Biochemistry I.....	4
MAT	121 College Algebra.....	3
	Elective courses numbered 300 or above from any department.....	9
	HSC 498 Professional Clinical Year Experience at an Affiliated Hospital.....	30

A minimum of 95 semester hours is required prior to the clinical year. No minor is required.

The Clinical Laboratory Science Program satisfies the requirements and standards established by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

Sequence of Clinical Laboratory Science Program:

1. Freshman year: Declare the major and begin taking the required courses with counsel of advisor.
2. Sophomore year: Continue courses in the required sequence.
3. Junior year: Make application to the affiliated hospital (hospitals) of your choice.
4. Senior year: Register at WSC for HSC 498 (no tuition requirements) and complete the course work at one of our affiliates.
5. Make application for graduation to the Records & Registration Office at WSC a semester before the expected date of graduation.