

**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

Plus one of the following concentrations:

**Biology Concentration: 43 hours + 12 hour core**

Biology concentration majors must complete MAT 180 Applied Probability and Statistics (3) for the Block 2 Mathematics General Education requirement. Students must take BIO 370 before taking BIO 394 or 465.

BIO	200 Zoology.....	4
	210 Botany.....	4
	301 Biology Seminar.....	1
	320 Molecular Genetics.....	4
	370 Introduction to Research.....	2
	425 Evolution.....	3
	394 Biology Cooperative Education <b>or</b>	
	465 Continuing Research.....	1
	469 Senior Seminar in Biology <b>or</b>	
	470 Research Project .....	1
CHE	107 General Chemistry II.....	4
	208 Intro Organic Chem <b>or</b>	
	314 Organic Chem I .....	4

Biomedical Track:

BIO	330 Histology .....	4
	434 Advanced Cellular Biology.....	3

BIO electives numbered 300 or above.....8

*CHE 326 Biochemistry I (4) may be taken in lieu of one Biology elective course.*