

Name _____
 Student ID _____
 Date _____

B.S. in Biology: Concentration in Health Sciences Pre-Medicine Program Checklist

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)

- ___ FYS110 First Year Seminar
- ___ ENG112 Writing, Research, Genre & Context
- ___ COM101 Public Speaking
- ___ Mathematics (met with MAT 215 or MAT 230)

II. Knowledge Acquisition (19-20 hours)

- ___ Science 1XX with lab (met with BIO 202)
- ___ HUM210 Search for Meaning Through Culture
- ___ PHL 130 Human Nature & Person
- ___ Foreign Language

One course from each group A and B:

Group A

- ___ ECN200 Introductory Economics
- ___ HIS102 History of the Modern World
- ___ POL102 Introduction to American Politics

Group B

- ___ PSY101 General Psychology
- ___ PSY220 Human Growth and Development
- ___ GST200 Introduction to Gender Studies
- ___ SOC101 Introduction to Sociology
- ___ SOC175 Introduction to Anthropology

III. Faith, Ethics, and Foundation (6 hours)

- ___ THL105 Introduction to Theology
- ___ Second Approved THL

IV. Greater Depth Cluster

- a. Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- b. Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- c. Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

Total Earned General Education Hours _____

BIOLOGY MAJOR REQUIREMENTS (60 hours)

Core Courses

___ BIO202 Evolution and Ecology	4
___ BIO203 Molecular Genetics	4
___ BIO204 Cell Biology	4
___ BIO205 Experimental Design and Statistical Analysis for Biologists	4
___ BIO291 Biology Career Seminar	1
___ BIO490 Biology Seminar	1
___ BIO491 Biology Capstone	1
___ CHE151 General Chemistry I	4
___ CHE152 General Chemistry II	4
___ CHE305 Organic Chemistry I	4
___ CHE306 Organic Chemistry II	4
___ MAT215 Fundamentals and Special Applications or Calculus or MAT230: Calculus I	3-4
___ PHY110 General Physics I or PHY 201: Mechanics	4
___ PHY111 General Physics II or PHY 202: Heat, Electricity, and Optics	4

Concentration in Health Sciences: At least 16 credits in biology above 200 level with at least 6 credits at 300 level or above

___ BIO 311: Biochemistry I (or BIO 310: Biochemistry)	4
___ BIO 312: Biochemistry II (or an additional elective from below)	4
___ BIO 334: Human Medical Physiology	5
___ BIO ELE: A Biology elective selected from the following: BIO 214: Microbiology, BIO 216: Medical Terminology, BIO 301: Epidemiology, BIO 345: Immunology	3-4

Total Earned Major Hours _____

ELECTIVE/MINOR

Recommended Minors for Pre-Medicine: Psychology, Sociology, Public Health, Medical Humanities

Total Earned Minor/Elective Hours _____

TOTAL OVERALL EARNED HOURS _____