# 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

### BIOLOGY MAJOR REQUIREMENTS (60 hours)

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

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

**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**

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Name ____________________  
Student ID ____________________  
Date ____________________  

Updated May, 2018