# RAIDER PLAN TEMPLATE BIOLOGY B.S. [HEALTH PROFESSIONS CONCENTRATION]

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#### **FIRST YEAR**

#### First Semester

BIO 161 Principles of Biology: Cell Structure & Function ENG 106 Writing Intensive First Year Sem.

CHM 121 Chemical Bonding

CHM 125 Lab IB

HIS 105 Historical Foundations of Global Cultures

#### Second Semester

BIO 162 Principles of Biology: Organismal Diversity

HCS 100 Intro. to Human Communications

CHM 122 Chemical Dynamics

CHM 126 Lab IIB

HIS 106 Thinking Historically in the Global Age

## **SECOND YEAR**

#### First Semester

CHM 221 Organic Chemistry I CHM 225 Lab IIIB BIO 220 Microbiology <u>OR</u> BIO 260 Genetics MAT 117 Elementary Statistics 1 - 2 General Education Courses

#### **Second Semester**

CHM 222 Organic Chemistry II
CHM 226 Lab IVB
BIO 260 Genetics <u>OR</u>
BIO 220 Microbiology
1 - 2 General Education Courses
MAT 211 Calculus I
CHM 227 Introduction to Biochemistry\*
\*Select with Advisement

## **THIRD YEAR**

#### First Semester

CHM 301 Biochemistry\*\* OR
Molecular/Cellular Elective
Physiology Elective OR Anatomy Elective
Free Electives
1 - 2 General Education Courses
PHY 121 Introductory to Physics I
PHY 123 Introductory to Physics I Lab
\*\*CHM 301not required if CHM 227 is taken

# <u>Second Semester</u>

CHM 301 Biochemistry\*\* OR
Molecular/Cellular Elective
Anatomy Elective OR Physiology Elective
Biology Electives
Free Electives
1 General Education Course
PHY 122 Introductory to Physics II
PHY 124 Introductory to Physics II Lab
\*\*CHM 301not required if CHM 227 is taken

# **FOURTH YEAR**

# First Semester

Biology Breadth Elective Free Electives BIO 449 Capstone Seminar in Biology

### Second Semester

Free Electives General Elective Courses Biology Electives