Department of Biology

Central Connecticut State University
New Britain, CT 06050-4010

Effective: Fall 2019

Name: ____________________________
Student I.D. #: ____________________

Major: B.S. in Biology (non-teaching)
Specialization: Human Biology

Advisor: ____________________________

General Education:

Study Area I Standard requirements (9 credits)
Study Area II Standard requirements (9 credits)
Study Area III Standard requirements (6 credits)
Study Area IV Related Sciences (6-7 credits)
Skill Area I Standard requirements (6 credits)
Skill Area II Standard requirements (6 credits)
Skill Area III Standard requirements (0-6 credits)
Skill Area IV Standard requirements (2-3 credits)

Biology Major: (minimum of 32 total credits required; minimum of 15 credits in residence)

Bio 121 General Biology I 4
Bio 122 General Biology II 4
Bio 200 Integrative Biology 4
Bio 290 Biology Research Experience I 2
Bio 390/391 Bio 390 Biology Research Experience I (1 credit)
or Bio 391 Internship in Biology (1-6 credits) 1-6
Bio 318 Anatomy and Physiology I 4
Bio 319 Anatomy and Physiology II 4

Human Biology/Health Sciences group electives (see below) 4-9 (depending on Bio 391 credit)

Human Biology/Health Sciences group electives (as needed to reach the 32 credit minimum in major):

Bio 331 Neurobiology 4
Bio 333 Endocrinology 3
Bio 401 Human Nutrition and Metabolism 3
Bio 403 Human Reproductive Biology 3
Bio 404 Epigenetics in Development & Disease 4
Bio 411 Embryology & Biotechnology 3
Bio 412 Human Physiology (Bio 413 lab optional) 3-4
Bio 414 Human Disease 3
Bio 463 Parasites and Human Disease 3
Bio 490 Topics in Biology (any topic related to Human Biology or Health Sciences chosen in consultation with your advisor) 3
BMS 306 Genetics 3
*BMS 316 Microbiology 4

*NOTE: Microbiology (BMS 316) at CCSU requires BMS 201 as an extra prerequisite.
Related Sciences: (27-30 credits)

- Chem 161/162 General Chemistry w/lab 4
- Chem 200 Fdns of Analytical Chem
  or Chem 260 Fdns of Inorganic Chem 3
- Chem 201 Fdns of Analytical Chem Lab 1
- Chem 210/211 Fdns of Organic Chem w/lab 4
- Chem 212/213 Organic Synthesis w/lab
  or Chem 354 Fdns of Biochemistry 3-4
- Phys 121 General Physics I or Phys 125 Univ Physics I 4
- Phys 122 General Physics II or Phys 126 Univ Physics II 4
- Math 115 Trigonometry in combination with Math 125
  Applied Calculus; or Math 124 Applied Calculus with Trigonometry;
  or Math 152 Calculus I 4-6

Free electives and/or courses in optional minor to complete 120 credits (minimum of 30 credits in residency).