

# Department of Biology

Central Connecticut State University  
New Britain, CT 06050-4010

Name: \_\_\_\_\_

Student I.D. #: \_\_\_\_\_

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

**Specialization: Human Biology**

Effective: Fall 2019

Advisor: \_\_\_\_\_

## General Education:

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

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

Bio 121	<i>General Biology I</i>	4
Bio 122	<i>General Biology II</i>	4
Bio 200	<i>Integrative Biology</i>	4
Bio 290	<i>Biology Research Experience I</i>	2
Bio 390/391	Bio 390 <i>Biology Research Experience I</i> (1 credit) or Bio 391 <i>Internship in Biology</i> (1-6 credits)	1-6
Bio 318	<i>Anatomy and Physiology I</i>	4
Bio 319	<i>Anatomy and Physiology II</i>	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	<i>Neurobiology</i>	4
Bio 333	<i>Endocrinology</i>	3
Bio 401	<i>Human Nutrition and Metabolism</i>	3
Bio 403	<i>Human Reproductive Biology</i>	3
Bio 404	<i>Epigenetics in Development &amp; Disease</i>	4
Bio 411	<i>Embryology &amp; Biotechnology</i>	3
Bio 412	<i>Human Physiology</i> (Bio 413 lab optional)	3-4
Bio 414	<i>Human Disease</i>	3
Bio 463	<i>Parasites and Human Disease</i>	3
Bio 490	<i>Topics in Biology</i> (any topic related to Human Biology or Health Sciences chosen in consultation with your advisor)	3
BMS 306	<i>Genetics</i>	3
*BMS 316	<i>Microbiology</i>	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).**