

Degree Map: Biochemistry/Molecular Biology
3 YR Pre-PharmD Concentration
[Biochemistry Program- Dual Degree Health Professions](#)
 School of Natural Sciences | Stockton University
 USC 1 - 240 | 609-652-4546

The following is a **suggested** plan of study for completion of this degree program.

The **goal of a Degree Map** is to ensure that students graduate with no more than 128 credits and in four years.

- All students should speak with their preceptor about their academic programs.
- Students are encouraged to take overload and Summer courses to facilitate their progress towards graduation as necessary.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR - FALL	Credit	FIRST YEAR - SPRING	Credit
Course load	19	Course load	18
Subject: G-course* Optional Attribute: Seminar and a W1	4	Subject: G-course* Attribute: A, H, I, R, and/or V; W1	4
CHEM 2110/15 Chemistry I: General Principles w/lab ¹ Attribute: Q2	5	Subject: G-course* Attribute: A, H, I, R, and/or V	4
BIOL 1200/05 Cells & Molecules w/lab ¹	5	CHEM 2120/25 Chemistry II: Organic Structure w/lab ¹	5
MTH 2215 Calculus I ¹ Attribute: Q1	5	BIOL 1400/05 Biodiversity & Evolution w/lab ¹	5

SECOND YEAR - FALL	Credit	SECOND YEAR - SPRING	Credit
Course load	17	Course load	16
CHEM 2130 Chemistry III: Organic Reactions w/lab ¹	4	CHEM 2130 Chemistry IV: Theory & Application w/lab ¹ Attribute: Q2	4
BIOL 2110/15 Genetics w/lab Attribute: Q2	4	BIOL 2150 Principles of Physiology w/lab ¹	4
PHYS 2110/15 Physics for Life Science I w/lab ¹ Attribute: Q1	5	PHYS 2120/25 Physics for Life Science II w/lab ¹ Attribute: Q1	4
ECON 1400 Intro to Microeconomics ¹ Attribute: Q2	4	Statistics Course (CSIS 1200) ¹ Attribute: Q1	4

THIRD YEAR - FALL	Credit	THIRD YEAR - SPRING	Credit
Course load	20	Course load	16
Subject: G-course* Attribute: A, H, I, R, and/or V	4	Subject: G-course* Attribute: Q2 (preferred)	4
Subject: G-course* Attribute: A, H, I, R, and/or V	4	Subject: G-course* Attribute: Q2 (preferred)	4
Subject: G-course* Attribute: A, H, I, R, and/or V	4	Subject: G-course* Attribute: Q2 (preferred)	4
CHEM 3250 Biochemistry ²	4	Upper-level biology course ³	4
Upper-level CHEM/BIOL ³	4		

GRADUATION REQUIREMENT TRACKER

G-course	✓
GAH	
GAH	
GEN	
GIS	
GNM	
GNM	
GSS	
GSS	

Quantitative Reasoning	✓
Q1 (First year)	
Q1/Q2	
Q2	

At-some-distance	✓
ASD	
ASD	
ASD	
ASD	

Attributes	✓
A	
H	
I	
R1	
R2	
V	

Writing Requirement	✓
W1 (First year)	
W1/W2	
W1/W2	
W1/W2 (3000 level or higher)	

ADDITIONAL INFORMATION

- **FIRST (FRST).** All newly admitted freshmen or transfer students with 15 or fewer credits are required to fulfill the University’s first-year competency requirement. The requirement may be met by demonstrating competency on the placement tests, or by passing, with a grade of C or better, all FRST courses: FRST 1101 – College Writing, 1002 – Critical Thinking and Reading, and 1103 – Quantitative Reasoning into which students have been placed. Students enrolled in FRST 1100 – Developmental Mathematics must receive a grade of C or better, and then enroll in and receive a grade of C or better in FRST 1103 to demonstrate competency. Full-time students must register for all required FRST courses in their first semester. Depending on time to completion of competency requirements, some students may need additional time for degree completion. *Note-* certain FRST courses also meet the requirements of the General Studies course distribution categories.
- **General Studies.** B.S. students must complete 48 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 16 ASD (At Some Distance). See 2021-2022 Bulletin for more information.
- **W1/W2- Writing requirement.** Students are required to complete (C or better) four Writing intensive (WI/W2) courses. One W1 is required in the first year and an additional three W1 or W2 with one in the upper-level division (3000-level or higher). W1/W2 courses can be found in General Studies or Program/cognate courses depending on major.
- **Q1/Q2- Quantitative Reasoning.** Students are required to complete (C or Better) three Q1/Q2 courses. One Q1 in the freshman year and at least one Q2. Q1/Q2 courses may be found in General Studies or Program/cognate course depending on major.
- **R1/R2- Race and Racism.** Students are required to pass one (1) R1 and one (1) R2 courses. R1/R2 courses may be found in General Studies or Program/cognate courses depending on major.
- **Minor program.** Students may select a Minor program of study, in consultation with their preceptor. Minor courses would replace some of the ASD or Program/cognate courses in the Degree Map.

Include Program specific notes

- Students must maintain a cumulative grade point average of 3.0 in all course work and a minimum of B in each of the science and mathematics courses.
- *Before transferring to Rutgers, students must complete 2 GAH, 1 GEN, 1 GIS, 1 GSS, 1 GNM and fulfill the fulfill all attribute requirements.
- ¹A grade of B or higher is required in order to be accepted by Rutgers.
- ²May be taken at Rutgers.
- ³Upper-level courses should only be taken if all transfer requirements have been met. These courses may count toward Stockton’s BCMB degree requirements.
- A specific set of courses taken in the first year at Rutgers will transfer to Stockton to count toward the BCMB degree. Students should register for Stockton BIOL 4601 Pharmacy Seminar (0 credits) each semester after

This document is not a substitute for academic advisement.

Approved by Dual Degree Health Professions Program {February 2022}

transferring to Rutgers until the Stockton BCMB degree is complete.

- Summer or part-time employment in a retail pharmacy setting is recommended as well as internships at pharmaceutical companies.