

2017-2018 Biochemistry 4 Year Plan

*COM 101 and EN 102 are prerequisites for ALL 300 to 400 level courses.

Fall-Year 1, Credits: 17

BC 203/L	General Chemistry I (5)	<i>Prerequisites: MA 103</i>
BI 100	First Year Science Seminar (1)	<i>Prerequisites: None</i>
BI 215/L	Cellular and Organismal Biology I (4)	<i>Prerequisites: None</i>
CUH 100	First Year Experience (1)	<i>Prerequisites: None</i>
EN 101	Introduction to Expository Writing (3)	<i>Prerequisites: None</i>
MA 110	Precalculus (3)	<i>Prerequisites: MA 103 or placement</i>

Spring-Year 1, Credits: 16

BC 204/L	General Chemistry II (5)	<i>Prerequisites: BC 203/L, MA 110 (can be taken concurrently)</i>
BI 104	Digital Biology (1)	<i>Prerequisites: None</i>
BI 216/L	Cellular and Organismal Biology II (4)	<i>Prerequisites: BI 215/L</i>
COM 101	Introduction to Communication (3)	<i>Prerequisites: None</i>
EN 102	Expository Writing (3)	<i>Prerequisites: EN 101 or placement</i>

Fall-Year 2, Credits: 19

BC 323/L	Organic Chemistry I (5)	<i>Prerequisites: BC 204/L</i>
BI 307/L	Molecular Biology I (4)	<i>Prerequisites: BI 216.L</i>
MA 210	Calculus I (4)	<i>Prerequisites: MA 110 or placement</i>
Behavioral Science Course (3)		<i>Prerequisites: None</i>
Social Science Course (3)		<i>Prerequisites: None</i>

Spring-Year 2, Credits: 19

BC 324/L	Organic Chemistry II (5)	<i>Prerequisites: BC 323/L</i>
BI 308/L	Molecular Biology II (4)	<i>Prerequisites: BI 307/L</i>
MA 211	Calculus II (4)	<i>Prerequisites: MA 210 or placement</i>
English Literature Course – EN 201, 255, 256, or 280 (3)		<i>Prerequisites: EN 102</i>
Fine or Performing Arts Course (3)		<i>Prerequisites: None</i>

Fall-Year 3, Credits: 16

BC 360/L	Biochemistry I (4)	<i>Prerequisites: BC 324/L</i>
BI 300	Science Writing I (1)	<i>Prerequisites: BI 216/L, BI 307/L</i>
PHY 251/L	University Physics I (5)	<i>Prerequisites: MA 210</i>
Global Awareness Course (3)		<i>Prerequisites: Varies</i>
300 to 400 level elective course outside the major (3)		<i>Prerequisites: Varies</i>

Spring-Year 3, Credits: 18

BC 362/L	Biochemistry II (4)	<i>Prerequisites: BC 360/L</i>
BC 334/L	Analytical Chemistry (4)	<i>Prerequisites: BC 204 and 323</i>
BI 302	Science Writing II (1)	<i>Prerequisites: BI 216/L, BI 300</i>
PHY 252/L	University Physics II (5)	<i>Prerequisites: MA 211, PHY 251</i>
BI 320/L	Developmental Biology (4)	<i>Prerequisites: BI 216/L and BI 307/L</i>

Fall-Year 4, Credits: 17

BC 420	Physical Chemistry (3)	<i>Prerequisites: MA 211, BC 324, BC 360, PHY 252</i>
BI 410/L	Advanced Human Physiology I (4)	<i>Prerequisite: BI 307/L</i>
BI 420	Systems Biology (3)	<i>Prerequisites: BI 308</i>
Biochemistry Major Elective Course* (4)		<i>Prerequisite: Varies</i>
Interdisciplinary Course (3)		<i>Prerequisites: Varies</i>

Spring-Year 4, Credits: 14

BC 430L	Instrumental Analysis (2)	<i>Prerequisites: BC 324/L, BC 334/L</i>
BC 490	Chemistry Seminar I (2)	<i>Prerequisites: BC 324/L</i>
BI 495	Research I (3)	<i>Prerequisites: BI 308/L</i>
Religion – Any 300 level course (3)		<i>Prerequisites: RE 100 to 200 level</i>
Biochemistry Major Elective Course* (4)		<i>Prerequisite: Varies</i>

*Biochemistry Major Elective Courses:

Choose any two from the following: BI 321/L, BI 411/L, BI 430, BI 435, CH 403, CH 440/L, CH 447

Graduation Requirements that may be fulfilled in Summer:

- 300 to 400 level elective courses outside the major
- History Course - Any 100 to 200 level course
- Religion Course- RE 103, 205, or 211
- Philosophy Course - PH 100, 103, or 105

Students who enter the agreement for the four year guarantee are responsible for the following:

- Declare a major with Academic Advising by the beginning of your second year
- Maintain at least a 2.0 cumulative GPA
- Pass pre-major and prerequisite courses with a grade of C or higher on the first attempt
- Complete course work as recommended by this plan each year for four years and meet all checkpoints. Some majors may require summer classes in order to finish in four years.
- Meet with your assigned advisor prior to registration each term to review your progress. Utilize the program evaluation degree audit tool available via the Chaminade University portal. Pay special attention to requirements that may be offered only once per year.
- Clear any holds on your account prior to the beginning of the registration period and enroll in classes within the first week of eligibility during the registration period.
- Accept any available course section that can be accommodated in your schedule of classes.
- Complete your clearance for graduation with your faculty advisor at the beginning of your fourth year.
- Notify your faculty advisor if you are unable to register for a required course in your major or for graduation.

General Education Requirements

Behavioral Science

Choose any one of the following or CLEP II: AN 200, CJ 201, ENV 100, PSY 101, or SO 200

Fine or Performing Arts

Choose any one of the following or CLEP IV: AR 101, 103, 111, 201, 202, 250, 255; EID 216, PAR 100, 101, 102, 201, 205, 208, 210

Global Awareness

Choose any one of the following OR second semester of a Foreign Language:

AN 340, 341, 350, 357; COM 310; EN 305, 422; GE 324; HI 443, 450, 452; HI/POL 344, 419, 438, 439, 442, 444, 451, 453, PH 475; PSY 436, 475, 476, 477, 478, 479; RE 357, 359, 365, 450, 460, 461, 469, 471, 472, 475, 476, 477, 478; SO 331, 401

Mathematics

Requirement varies based on major. MA 211

Natural Sciences

Any two courses with accompanying labs OR one course with lab AND CLEP III: See pages 1 and 2 for further details.

Social Sciences

Choose any one of the following: EC 201, GE 102, GE 103, HI 201, HI 202, POL 111, or POL 211

Interdisciplinary

Choose any one of the following: CJ/RE 435, COM/RE 433, EID/ENV 384, EN 307, ENV/RE 431, GE/EID 335, HI/POL 305, HI/POL 324, HI/POL 419, HI/POL 438, HI/POL 439, HI/POL 442, HI/POL 444, HI/RE 322, NUR/RE 371, PH/RE/SO 305, PH/SO 360, PH/RE 425, PH/PSY 471, PH/PSY/RE 475, PSY/RE 476, PSY/RE 477, PSY/RE 478, PH/PSY/RE 463, RE/PH 473, PH/RE/SO 338

Graduation Requirements:

- Satisfied all core curriculum requirements including nine credits of upper division course work outside the disciplines required for the declared major and the interdisciplinary course
- Satisfied all requirements for the major discipline
- Completed a minimum of 45 upper division credits
- Achieved a minimum GPA of 2.0 (some majors may require a higher GPA)
- Completed at least 30 semester hour credits in residence, including a least half of the credits in the major discipline
- Completed at least 120 semester hours