

Sample Schedules for Biochemistry Majors Participating in a Non-science Study Abroad Program

Below are modified 4-year schedules of science classes for biochemistry majors wishing to go abroad to a non-science location. Deviations from the typical course schedule are given in blue. This schedule is based on the assumption that the student has followed the typical course schedule through their first three semesters at Notre Dame.

Abroad Fall Semester Junior Year

Freshman Year

Fall	CHEM 10181/11181	Intro to Chemical Principles (with lab)
	BIOS 10171/11173	Biology I: Big Questions (with lab)
	MATH 10550	Calculus I
Spring	CHEM 10182/11182	Organic Structure and Mechanism (with lab)
	BIOS 10172/11174	Biology II: Molecules to Ecosystems (<i>lab optional</i> [‡])
	MATH 10560	Calculus II

([‡]Although optional for the biochemistry major, students on a pre-professional track should take the BIOS11174 lab.)

Sophomore Year

Fall	CHEM 20283/21283	Organic Reactions and Applications (with lab)
	CHEM 23201	Chemistry Seminar
	CHEM 23212	Biochemistry Seminar
	PHYS 20210/21210	Physics I for Life Sciences (with lab)
Spring	CHEM 20284/21284	Chemistry Across the Periodic Table (with lab)
	PHYS 20220/21220	Physics II for Life Sciences (with lab)
	BIOS 20303/21303	Fundamentals of Genetics (optional lab*)

(* lab can be postponed until spring Sr. year if you want; avoids 3 labs in one semester. Lab requirement can also be fulfilled with the cell biology lab or undergraduate research.)

Junior Year

Fall

Semester Abroad-No Science Classes

Spring	CHEM 20262	Mathematical Methods
	BIOS 30341/31341	Cell Biology (optional lab*)
	CHEM 30333/31333[§]	Analytical Chemistry (with lab)

Senior Year

Fall	CHEM 50531	Molecular Biology I
	CHEM 30341/31341	Fundamentals of Biochemistry (with lab)
Spring	CHEM 30342	Intermediary Metabolism (no lab)
	CHEM 30338	Physical Biochemistry (no lab)

Plus two additional chemistry seminars. Can be taken at any time.

[§]Analytical chemistry is offered both fall and spring semesters, allowing for flexibility in when you choose to take this course. It can be taken as early as spring semester sophomore year.

Abroad Spring Semester Junior Year

Freshman Year

Fall	CHEM 10181/11181 BIOS 10171/11173 MATH 10550	Intro to Chemical Principles (with lab) Biology I: Big Questions (with lab) Calculus I
Spring	CHEM 10182/11182 BIOS 10172/11174 MATH 10560	Organic Structure and Mechanism (with lab) Biology II: Molecules to Ecosystems (<i>lab optional</i> [‡]) Calculus II

([‡]Although optional for the biochemistry major, students on a pre-professional track should take the BIOS11174 lab.)

Sophomore Year

Fall	CHEM 20283/21283 CHEM 23201 CHEM 23212 PHYS 20210/21210	Organic Reactions and Applications (with lab) Chemistry Seminar Biochemistry Seminar Physics I for Life Sciences (with lab)
Spring	CHEM 20284/21284 CHEM 20262 PHYS 20220/21220	Chemistry Across the Periodic Table (with lab) Mathematical Methods Physics II for Life Sciences (with lab)

Junior Year

Fall	CHEM 30341/31341 BIOS 30341/31341	Fundamentals of Biochemistry (with lab) Cell Biology (optional lab*)
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Spring

Semester Abroad-No Science Classes

Senior Year

Fall	CHEM 50531 CHEM 30333/31333[§]	Molecular Biology I Analytical Chemistry (with lab)
Spring	CHEM 30342 CHEM 30338 BIOS 20303/21303	Intermediary Metabolism (no lab) Physical Biochemistry (no lab) Fundamentals of Genetics (optional lab*)

Plus two additional chemistry seminars. Can be taken at any time.

[§]Analytical chemistry is offered both fall and spring semesters, allowing for flexibility in when you choose to take this course. It can be taken as early as spring semester sophomore year.

*The advanced lab requirement can be fulfilled with cell biology lab, genetics lab or 2 credits of UG research.