Sample Schedules for Biochemistry Majors Planning to Participate in a Non-science Study Abroad Program

Below are modified 4-year schedules of science classes for biochemistry majors wishing to go to 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 10161/11161, Biological Sciences I (with lab)
- MATH 10550, Calculus I

**Spring**
- CHEM 10182/11182, Organic Structure and Mechanism (with lab)
- BIOS 10162/11162, Biological Sciences II (with lab)
- MATH 10560, Calculus II

**Sophomore Year**

**Fall**
- CHEM 20283/21283, Organic Reactions and Applications (with lab)
- CHEM 23201, Chemistry Seminar
- CHEM 23212, Biochemistry Seminar
- PHYS 30210/31210, Physics I (with lab)

**Spring**
- CHEM 20284/21284, Chemistry Across the Periodic Table (with lab)
- PHYS 30220/31220, Physics II (with lab)
- BIOS 20303/21303, Fundamentals of Genetics (with lab*)
  (* lab can be postponed until spring Sr. year if you want; avoids 3 labs in one semester.)

**Junior Year**

**Fall**
- Semester Abroad-No Science Classes

**Spring**
- CHEM 20262, Mathematical Methods
- BIOS 30341/31341, Cell Biology (with lab)
- CHEM 30333/31333, Analytical Chemistry (with lab)

**Senior Year**

**Fall**
- CHEM 50531, Molecular Biology I
- CHEM 30341/31341, Fundamentals of Biochemistry (with lab)
- CHEM 30321, Physical Chemistry I (no lab)

**Spring**
- CHEM 30342, Intermediary Metabolism (no lab)
- CHEM 30322, Physical Chemistry II (no lab)

**Plus two additional chemistry seminars. Can be taken at any time.**
**Abroad Spring Semester Junior Year**

**Freshman Year**

**Fall**
- CHEM 10181/11181 Intro to Chemical Principles (with lab)
- BIOS 10161/11161 Biological Sciences I (with lab)
- MATH 10550 Calculus I

**Spring**
- CHEM 10182/11182 Organic Structure and Mechanism (with lab)
- BIOS 10162/11162 Biological Sciences II (with lab)
- MATH 10560 Calculus II

**Sophomore Year**

**Fall**
- CHEM 20283/21283 Organic Reactions and Applications (with lab)
- CHEM 23201 Chemistry Seminar
- CHEM 23212 Biochemistry Seminar
- PHYS 30210/31210 Physics I (with lab)

**Spring**
- CHEM 20284/21284 Chemistry Across the Periodic Table (with lab)
- CHEM 20262 Mathematical Methods
- PHYS 30220/31220 Physics II (with lab)

**Junior Year**

**Fall**
- CHEM 30341/31341 Fundamentals of Biochemistry (with lab)
- CHEM 30321 Physical Chemistry I (no lab)
- BIOS 30341/31341 Cell Biology (with lab)

**Spring**
- Semester Abroad-No Science Classes

**Senior Year**

**Fall**
- CHEM 50531 Molecular Biology I
- CHEM 30333/31333 Analytical Chemistry (with lab)

**Spring**
- CHEM 30342 Intermediary Metabolism (no lab)
- CHEM 30322 Physical Chemistry II (no lab)
- BIOS 20303/21303 Fundamentals of Genetics (with lab)

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