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

Below are modified 4-year schedules of science classes for Chemistry 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)
- PHYS 10310/11310: Physics I (with lab)
- MATH 10550: Calculus I

**Spring**
- CHEM 10182/11182: Organic Structure and Mechanism (with lab)
- PHYS 10320/11320: Physics II (with lab)
- MATH 10560: Calculus II

**Sophomore Year**

**Fall**
- CHEM 20283/21283: Organic Reactions and Applications (with lab)
- CHEM 23201: Chemistry Seminar
- Science Elective*

**Spring**
- CHEM 20284/21284: Chemistry Across the Periodic Table (with lab)
- Science Elective*

**Junior Year**

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

**Spring**
- CHEM 20262: Mathematical Methods
- CHEM 30333/31333*: Analytical Chemistry (with lab)
- CHEM 40420*: Principles of Biochemistry (no lab)

**Senior Year**

**Fall**
- CHEM 30321: Physical Chemistry I (no lab)
- CHEM 40443/41443: Advanced Inorganic Chemistry (with lab)

**Spring**
- CHEM 30322: Physical Chemistry II (with lab)
- CHEM 40434 or 40436: Physical Methods or Instrumental Methods (no lab)

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

*Note: Analytical Chemistry and Principles of Biochemistry are offered both fall and spring semesters, allowing for flexibility in when you choose to take these courses. They can be taken as early as spring semester sophomore year. Chemistry majors also need 6 credits of science electives. These can be taken anytime. Undergraduate research can also be used to fulfill this requirement.*
**Abroad Spring Semester Junior Year**

**Freshman Year**

**Fall**
- CHEM 10181/11181 Intro to Chemical Principles (with lab)
- PHYS 10310/11310 Physics I (with lab)
- MATH 10550 Calculus I

**Spring**
- CHEM 10182/11182 Organic Structure and Mechanism (with lab)
- PHYS 10320/11320 Physics II (with lab)
- MATH 10560 Calculus II

**Sophomore Year**

**Fall**
- CHEM 20283/21283 Organic Reactions and Applications (with lab)
- CHEM 23201 Chemistry Seminar
- Science Elective*

**Spring**
- CHEM 20284/21284 Chemistry Across the Periodic Table (with lab)
- CHEM 20262 Mathematical Methods
- Science Elective*

**Junior Year**

**Fall**
- CHEM 30321 Physical Chemistry I (no lab)
- CHEM 30333/31333* Analytical Chemistry (with lab)

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

**Senior Year**

**Fall**
- CHEM 40443/41443 Advanced Inorganic Chemistry (with lab)
- CHEM 40420* Principles of Biochemistry (no lab)

**Spring**
- CHEM 30322 Physical Chemistry II (with lab)
- CHEM 40434 or 40436 Physical Methods or Instrumental Methods (no lab)

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

*Note: Analytical Chemistry and Principles of Biochemistry are offered both fall and spring semesters, allowing for flexibility in when you choose to take these courses. They can be taken as early as spring semester sophomore year. Chemistry majors also need 6 credits of science electives. These can be taken anytime. Undergraduate research can also be used to fulfill this requirement.*