

Possible Course Schedules for Chemistry Majors at Lewis & Clark College

Regular Schedule

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Calculus I (Math 131) [‡] Exploration & Discovery	General Chem. (Chem 120)* Calculus II (Math 132) [‡] Exploration & Discovery
2	Organic Chem. (Chem 210)* Physics (Phys 141 or 151)*	Organic Chem. (Chem 220)* Physics (Phys 142 or 152)*
3	Physical Chem. (Chem 320) Inorganic Chem Lab. (Chem 366) Physics (Phys 251, if you took 151/152)	Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365)
4	Research (Optional) Chemistry Seminar (Chem 405)	Research (Optional) Upper Division Chemistry Course Adv. Inorganic Chem. (Chem 420)

Late start on Math and Physics

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Exploration & Discovery	General Chem. (Chem 120)* Exploration & Discovery
2	Organic Chem. (Chem 210)* Calculus I (Math 131) [‡]	Organic Chem. (Chem 220)* Calculus II (Math 132) [‡]
3	Inorganic Chem Lab. (Chem 366) Physics (Phys 141 or 151)*	Upper Division Chemistry Course Physics (Phys 142 or 152)*
4	Research (Optional) Chemistry Seminar (Chem 405) Physics (Phys 251, if you took 151/152) Physical Chem. (Chem 320)	Research (Optional) Adv. Inorganic Chem. (Chem 420) Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365)

American Chemical Society-Certified Major

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Calculus I (Math 131) [‡] Exploration & Discovery	General Chem. (Chem 120)* Calculus II (Math 132) [‡] Exploration & Discovery
2	Organic Chem. (Chem 210)* Physics (Phys 141 or 151)*	Organic Chem. (Chem 220)* Physics (Phys 142 or 152)*
3	Physical Chem. (Chem 320) Inorganic Chem Lab. (Chem 366) Physics (Phys 251, if you took 151/152)	Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365) Experimental Methods (Chem 355)
4	Research (Optional) Chemistry Seminar (Chem 405) Structural Biochem. (Chem 330) (←Or→)	Research (Optional) Upper Division Chemistry Course Adv. Inorganic Chem. (Chem 420) Metabolic Biochem. (Chem 335)

* Course includes a lab that meets once a week.

† Can be deferred a year, but provides a good basis for the MCAT.

§ Research can be undertaken with the overseas option, but in the senior year one would have to allocate one full morning for lab courses (Chem 365 and Chem 366).

‡ Students who have to take Math 055 or 115 in their freshman year must complete calculus requirements (Math 131 & 132) in their sophomore year.

Possible Course Schedules for Chemistry Majors at Lewis & Clark College

With additional pre-medicine requirements

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Calculus I (Math 131) [§] Exploration & Discovery	General Chem. (Chem 120)* Calculus II (Math 132) [§] Exploration & Discovery Genetics & Evolution (Bio 151)*
2	Organic Chem. (Chem 210)* Physics (Phys 141 or 151)*	Organic Chem. (Chem 220)* Physics (Phys 142 or 152)* Cell & Molecular Biology (Bio 200)*
3	Physical Chem. (Chem 320) Inorganic Chem Lab. (Chem 366) Physics (Phys 251, if you took 151/152) Molecular Biology (Bio 311) [†] Structural Biochem. (Chem 330) [†]	Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365) Metabolic Biochem. (Chem 335) [†] (Take MCAT & summer application)
4	Research (Optional) Chemistry Seminar (Chem 405)	Research (Optional) Adv. Inorganic Chem. (Chem 420)

With a spring overseas trip[§]

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Calculus I (Math 131) [§] Exploration & Discovery	General Chem. (Chem 120)* Calculus II (Math 132) [§] Exploration & Discovery
2	Organic Chem. (Chem 210)* Physics (Phys 141 or 151)*	Organic Chem. (Chem 220)* Physics (Phys 142 or 152)*
3	Physical Chem. (Chem 320) Inorganic Chem Lab. (Chem 366) Physics (Phys 251, if you took 151/152)	Overseas Trip
4	Upper Division Chemistry Course Chemistry Seminar (Chem 405)	Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365) Adv. Inorganic Chem. (Chem 420)

With a fall overseas trip[§]

Year	Fall Semester	Spring Semester
1	General Chem. (Chem 110)* Calculus I (Math 131) [§] Exploration & Discovery	General Chem. (Chem 120)* Calculus II (Math 132) [§] Exploration & Discovery
2	Organic Chem. (Chem 210)* Physics (Phys 141 or 151)*	Organic Chem. (Chem 220)* Physics (Phys 142 or 152)*
3	Overseas Trip	Upper Division Chemistry Course
4	Physical Chem. (Chem 320) Inorganic Chem Lab. (Chem 366) Physics (Phys 251, if you took 151/152) Chemistry Seminar (Chem 405)	Physical Chem. (Chem 310) Physical Chem. Lab. (Chem 365) Adv. Inorganic Chem. (Chem 420)

* Course includes a lab that meets once a week.

[†] Can be deferred a year, but provides a good basis for the MCAT.

[§] Research can be undertaken with the overseas option, but in the senior year one would have to allocate one full morning for lab courses (Chem 365 and Chem 366).

[¶] Students who have to take Math 055 or 115 in their freshman year must complete calculus requirements (Math 131 & 132) in their sophomore year.