

American Chemical Society Certified Chemistry Major Check List

Code: I = Freshman year; II = Sophomore year, III = Junior year, IV = Senior year

Term: F = Fall, S = Spring

+ Lab indicates course has a mandatory associated lab component

Slight variations to this curriculum and order of courses is possible. Please see chemistry department chair if you have decided to major in chemistry after coming to IWU.

Core Courses

- I F Chem 201 (General Chemistry) + lab
- I S Chem 202 (General Chemistry) II + lab
- II F Chem 311 (Organic Chem I) + lab
- II S Chem 312 (Organic Chem II) + lab
- II S Chem 332 (Inorganic Chemistry)
- III F Chem 301 (Quantitative Analysis) + lab
- III F Chem 321 (Physical Chemistry I) + lab
- III S Chem 322 (Physical Chemistry II)
- III S Chem 304 (Instrumental Analysis) + lab
- III S Chem 380 (Advanced Inorganic Synthesis lab) Lab course
- IV F Chem 414 (Biochemistry I) + lab
- Chem 499 (research in chemistry, 1 unit, maybe be taken as two 0.5 units)

In addition, one of the following courses is required

- Chem 323 (Physical Chemistry III)
- Chem 413 (Advanced Organic Chemistry)
- Chem 415 (Biochemistry II)
- Chem 432 (Advanced Inorganic Chemistry)
- Chem 470 (Special Topics in Chemistry)

Courses outside the department that majors are required to take include:

- Mathematics 156 or 162 or 166 or proficiency -
- Physics 101 and 102 + lab or physics 105, 106 and 207 + lab

Courses outside the department that majors are encouraged to take include:

- Biology 101 and 102 + lab or biology 107 and 108 +lab