

Minor in Chemistry

Effective Fall 2010, students can complete a minor in Chemistry.

The minor program requirements will be as follows:

CHEM 111 General Chemistry I with Laboratory (4 credits)

CHEM 112 General Chemistry II with Laboratory (4 credits)

One of the following sequences (either CHEM 211-212 or CHEM 253-254):

CHEM 211 Organic Chemistry I with Laboratory (4 credits)

CHEM 212 Organic Chemistry II with Laboratory (4 credits)

CHEM 253 Chemical Analysis I with Laboratory (4 credits)

CHEM 254 Chemical Analysis II with Laboratory (4 credits)

Completion of three courses from the following list. No more than one of the three courses may be a laboratory course. (7 – 9 credits) The courses selected from this list could depend upon the 200 level sequence completed.

CHEM 317 Biochemistry I (3 credits)

CHEM 318 Biochemistry II (3 credits)

CHEM 319 Biochemistry I Laboratory (1 credit)

CHEM 331 Environmental Chemistry (3 credits)

CHEM 332 Environmental Chemistry Laboratory (1 credit)

CHEM 343 Inorganic Chemistry (3 credits)

CHEM 345 Inorganic Chemistry Laboratory (1 credit)

CHEM 383 Physical Chemistry I (3 credits)

CHEM 384 Physical Chemistry II (3 credits)

CHEM 387 Physical Chemistry I Laboratory (2 credits)

The proposed minor is designed to offer students flexibility depending on their interests (i.e. major, pre-professional training, etc.). The department has discussed possible combinations that could be completed by students in order to receive a minor in chemistry. On the following page, different tracks are provided as examples of how various populations of students could fulfill the requirements for a minor in chemistry.

| Physical chemistry minor (Physics or math majors) | Biochemistry Minor (Biology majors, pre-medical/dental/veterinary or allied health) | Bioinorganic chemistry minor (biology majors) | Biophysical chemistry minor (biology, physics majors, premedical/dental) |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------|
| CHEM 253 | CHEM 211 | CHEM 211 | CHEM 211 |
| CHEM 254 | CHEM 212 | CHEM 212 | CHEM 212 |
| CHEM 383 | CHEM 317 | CHEM 317 | CHEM 317 |
| CHEM 384 | CHEM 318 | CHEM 318 | CHEM 318 |
| CHEM 387 | CHEM 319 | CHEM 343 | CHEM 383 |

| Environmental Chemistry minor (Environmental Science or Geology majors) | Environmental Inorganic minor (Environmental Science or Geology majors) | General chemistry minor |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------|
| CHEM 253 | CHEM 253 | CHEM 211 |
| CHEM 254 | CHEM 254 | CHEM 212 |
| CHEM 331 | CHEM 331 | CHEM 317 |
| CHEM 332 | CHEM 343 | CHEM 343 |
| CHEM 343 | CHEM 345 | CHEM 383 |