

## Minor in Chemistry

**Minor:** Chemistry (CHEQ-M1, 24-25 credits)

**Version:** Fall 2020

### LOWER-DIVISION

(9-10 credits)

Select **one** group from the following:

#### **Group A**

CHEM 111 or CHEM 107	4 credits
CHEM 112 or CHEM 108	1 credit
CHEM 113	3 credits
CHEM 114	1 credit

#### **Group B**

CHEM 120	4 credits
CHEM 121	1 credit
CHEM 231	3 credits
CHEM 232	2 credits

### UPPER-DIVISION

(Students must take 15 upper-division chemistry credits, or three credits at the 200-level plus 12 upper-division chemistry credits (300-499) from at least two different areas of chemistry – analytical, biological, inorganic, organic, and physical)

At least two of these courses must include a laboratory. No more than three of the upper-division chemistry 15 credits may be fulfilled by CHEM 301, CHEM 384, CHEM 487, CHEM 493, CHEM 495, or CHEM 498. These courses may not fulfill the area nor the laboratory requirement, except for CHEM 498 which may satisfy the laboratory requirement.

For prerequisite information, please visit [www.catalog.colostate.edu](http://www.catalog.colostate.edu).

Courses with \* may count as laboratory.

#### **ANALYTICAL**

CHEM 231	3 credits
CHEM 232*	2 credits
CHEM 334*	1 credit
CHEM 335	3 credits
CHEM 338	3 credits
CHEM 431*	4 credits
CHEM 433*	3 credits

#### **BIOLOGICAL**

CHEM 320	3 credits
CHEM 321	4 credits
or BC 351 or BC 401 or BC 403	
CHEM 322*	1 credit

#### **INORGANIC**

CHEM 261	3 credits
CHEM 263	4 credits
CHEM 264*	1 credit
CHEM 311	3 credits
CHEM 461	3 credits
CHEM 462*	2 credits

#### **ORGANIC**

CHEM 241	4 credits
CHEM 242*	1 credit
CHEM 245	4 credits
CHEM 246*	1 credit
CHEM 341	3 credits
CHEM 343	3 credits
CHEM 344*	2 credits
CHEM 345*	4 credits
CHEM 346*	4 credits
CHEM 440*	2 credits
CHEM 445	3 credits

#### **PHYSICAL**

CHEM 371	4 credits
CHEM 372*	1 credit
CHEM 473	4 credits
or BC 411	
CHEM 474	3 credits
CHEM 475*	1 credit
CHEM 476	3 credits
CHEM 477*	1 credit