

## Minor in Chemistry

**Minor:** Chemistry (CHEQ-M1, 24 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.

<b>ANALYTICAL</b>		<b>credits</b>	<b>INORGANIC</b>		<b>credits</b>	<b>ORGANIC</b>		<b>credits</b>
CHEM 231	Analytical Chem	3	CHEM 263	Inorganic Chem	4	CHEM 241	Organic Chem	4
CHEM 232*	Analytical Lab	2	CHEM 264*	Inorganic Lab	1	CHEM 242*	Organic Lab	1
CHEM 334*	Quantitative Lab	1	CHEM 311	Nanoscale Science	3	CHEM 245	Found. O-Chem	4
CHEM 333	Forensic Chem	3	CHEM 451	Catalysis	3	CHEM 246*	Found. Lab	1
CHEM 335	Analytical Chem	3	CHEM 461	Adv Inorganic	3	CHEM 315	Polymer Chem	3
CHEM 338	Environmental	3	CHEM 462*	Adv Inorganic Lab	2	CHEM 341	Modern OChem I	3
CHEM 431*	Instrumental Chem	4				CHEM 343	Modern OChem II	3
CHEM 433*	Clinical Chem	3				CHEM 344*	OChem Lab	2
						CHEM 440*	Adv OChem Lab	2
						CHEM 445	Synthetic OChem	3
						CHEM 448	Medicinal Chem	3
<b>BIOLOGICAL</b>		<b>credits</b>	<b>PHYSICAL</b>		<b>credits</b>			
CHEM 320	Chem Addictions	3	CHEM 371	Physical Chem	4			
CHEM 321	Chemical Bio	4		or BC 411				
	or BC 351 or BC 401 or BC 403		CHEM 372*	Physical Chem Lab	1			
CHEM 322*	Chem Bio Lab	1	CHEM 476	Physical Chem II	3			
CHEM 421*	Chem of Hemp	3	CHEM 477*	Physical Chem II L	1			