

Minor: Chemistry
CLARION UNIVERSITY OF PENNSYLVANIA
College of Arts and Sciences

REQUIREMENTS FOR MINOR IN CHEMISTRY: Complete 21-24 CREDITS from the 2 categories.

1. Core Courses (8 credits)	<u>CR</u>	<u>GR</u>	<u>SEMESTER COMPLETED</u>
CHEM 154: General Chemistry II*	<u>3</u>	_____	_____
CHEM 164: General Chemistry II (lab)*	<u>1</u>	_____	_____
<i>*CHEM 153/163 are prerequisite courses. CHEM 152/162 may substitute.</i>			
CHEM 251: Organic Chemistry I	<u>3</u>	_____	_____
CHEM 261: Organic Chemistry I (lab)	<u>1</u>	_____	_____

2. Introductory Level Courses (10-12 credits)	<u>CR</u>	<u>GR</u>	<u>SEMESTER COMPLETED</u>
<i>Select any three (3) of the four following options (A-D)</i>			
A. CHEM 353: Analytical Chemistry I	<u>3</u>	_____	_____
CHEM 363: Analytical Chemistry I (lab)	<u>1</u>	_____	_____
OR			
CHEM 358: Analytical Chemistry II	<u>3</u>	_____	_____
CHEM 368: Analytical Chemistry II (lab)	<u>1</u>	_____	_____
B. CHEM 265: Inorganic Chemistry I	<u>3</u>	_____	_____
CHEM 266: Inorganic Chemistry I (lab)	<u>1</u>	_____	_____
C. CHEM 354: Chemical Thermodynamics**	<u>3</u>	_____	_____
CHEM 364: Physical Chemistry (lab)**	<u>1</u>	_____	_____
OR			
CHEM 355: Quantum Chemistry**	<u>3</u>	_____	_____
<i>** MATH 271 (Calc II) and PH 252 (General Physics II) are prerequisite courses.</i>			
D. BCHM 453: Biochemistry	<u>3</u>	_____	_____

3. Advanced Level Course (3-4 credits)	<u>CR</u>	<u>GR</u>	<u>SEMESTER COMPLETED</u>
<i>Select any one (1) of the following options (A-E) that was not used for Category 2</i>			
A. CHEM 252: Organic Chemistry II	<u>3</u>	_____	_____
CHEM 262: Organic Chemistry II (lab)	<u>1</u>	_____	_____
B. CHEM 358: Analytical Chemistry II	<u>3</u>	_____	_____
CHEM 368: Analytical Chemistry II (lab)	<u>1</u>	_____	_____
C. CHEM 366: Inorganic Chemistry II	<u>3</u>	_____	_____
CHEM 367: Inorganic Chemistry II (lab)	<u>1</u>	_____	_____
D. CHEM 355: Quantum Chemistry	<u>3</u>	_____	_____
E. BCHM 454: Biochemistry II	<u>3</u>	_____	_____

Signatures (upon completion of the minor requirements):

 Minor Advisor

 Date

 Department Chairperson

 Date

No changes since FALL 2020