

# CHEMISTRY MINOR

## Minor Requirements

### Organic Chemistry Concentration

Code	Title	Credits
<b>Required Courses</b>		
CHE 111	General Chemistry I	4
CHE 112	General Chemistry II	4
CHE 223	Organic Chemistry I	5
CHE 224	Organic Chemistry II	5
CHE 221	Analytical Methods and Techniques <sup>2</sup>	3 or 4
or CHE 326	Biochemistry	
or CHE 313	Essentials of Biochemistry	
or CHE 333	Advanced Organic Chemistry	
<b>Total Credits</b>		<b>21-22</b>

### Physical Chemistry Concentration

Code	Title	Credits
<b>Required Courses</b>		
CHE 111	General Chemistry I	4
CHE 112	General Chemistry II	4
CHE 221	Analytical Methods and Techniques	4
CHE 301	Physical Chemistry I: Quantum Mechanics and Spectroscopy <sup>1</sup>	4
CHE 302	Physical Chemistry II: Thermodynamics, Molecular Interactions and Kinetics <sup>2</sup>	4
<b>Total Credits</b>		<b>20</b>

<sup>1</sup> Students must take CHE 200 Mathematical Methods for Physical Chemistry Mathematics for Physical Chemistry or MAT 236 Multivariable Calculus Multivariable Calculus before taking CHE 301 Physical Chemistry I: Quantum Mechanics and Spectroscopy Physical Chemistry I: Quantum Mechanics and Spectroscopy and CHE 302 Physical Chemistry II: Thermodynamics, Molecular Interactions and Kinetics Physical Chemistry II: Thermodynamics, Molecular Interactions and Kinetics.

<sup>2</sup> CHE 221 and CHE 333 are choices for science majors and CHE 313 is for non-science majors.