

**PHYSICAL CHEMISTRY CONCENTRATION  
Check Sheet**

Requirements:

1. A minimum of 23 graded credits in chemistry, physics and mathematics as follows:

Course (Pre & #)	Title	Credits	Grade
CHEM 440	Thermodynamics	4	
CHEM 441	Quantum Mechanics	4	
CHEM 442	Chemical Dynamics	4	
CHEM 443	Thermodynamics Lab	1	
CHEM 444	Quantum Mechanics Lab	1	
CHEM 445	Chemical Dynamics Lab	1	
PHYS 322	Waves and Quantum Theory	5	

Complete 3 hours from the courses listed below:

CHEM 410	Selected Topics in Physical Chemistry	1-5	
PHYS 410	Selected Topics in Chemical Physics	1-5	
MATH 321	Differential Equations	5	
PHYS 343	Experimental Techniques	5	

2. Complete concentration requirements with at least a "C-" in each listed course.
3. Students earning a minor in physics may not earn a concentration in physical chemistry.
4. Students earning a double major or a double degree in chemistry and physics may not earn a concentration in physical chemistry.

\_\_\_\_\_  
Student Signature & Social Security Number

\_\_\_\_\_  
Date

\_\_\_\_\_  
Physical Chemistry Faculty Signature

\_\_\_\_\_  
Date