*Content Area Prerequisites Course Equivalents*

**Number** C331 **Credits** 4

**Course Title** Physical Chemistry I

**Description** This course involves chemical thermodynamics and its applications. The following topics are considered: properties of gases, kinetic molecular theory, thermodynamics, and thermochemistry, chemical equilibrium, properties of non-electrolyte solutions, phase equilibria, and surface chemistry. Three lectures and three hours of lab per week. Prerequisites: C142, M152, P211.

**Number Course Title Distance Credits School**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CHEM 3501 | Physical Chemistry I | Traditional | 3 | University of Minnesota |
| CHM 309 | Physical Chemistry Theory I | Traditional | 3 | University of Wisconsin LaCrosse |
| CHEM | Physical Chemistry I with Lab | Traditional | 4 | Winona State University |
| CHEM 1127 | Chemical Principles I | Traditional | 4 | Rochester Community & Technical |
| CHEM 420 | Physical Chemistry I | Traditional | 4 | St. Cloud State University |
| CHEM 341 | Chemical Thermodynamics & Kinetics | Traditional | 3 | University of Wisconsin River Falls |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |