



# Course Competency Report by Code

Code: BWT1

## Inorganic Chemistry (BWT1)

Course of Study: BWT1 - Inorganic Chemistry

Course Level: Undergraduate

Course Division: Upper Division Major

Discipline: Chemistry

Course Type:

Department: Science

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
208.3.1	Atomic Structure	The graduate analyzes atomic structure and can demonstrate major principles and rules of atomic structure.
208.3.2	Periodic Trends	The graduate demonstrates that groups of elements possess similar physical and chemical properties and can determine trends using the periodic chart.
208.3.3	Bonding Models	The graduate demonstrates how atoms or ions in minerals are glued together by electrical bonds that are ionic or covalent, and computes the bond order in a molecule.
208.3.4	Complex Ions and Coordination Compounds	The graduate demonstrates properties of compounds and constructs models of bonding compounds and complex ions.
208.3.5	Solid State	The graduate demonstrates the microscopic and macroscopic features of solids and demonstrates how crystallography informs solid state chemistry.
208.3.6	Material Chemistry	The graduate can demonstrate how the structure of a material's molecules can determine its strength and uses.