

CHEM4369 - Bioinorganic Chemistry

[CHEM 4369](#) Bioinorganic Chemistry (3 semester credit hours) The course will cover advanced topics in bioinorganic chemistry including: principles of coordination chemistry, crystal and ligand field theory, inorganic elements in biochemistry, biological metal ligands, metalloproteins and metalloenzymes, oxygen transport and activation, electron transfer in metalloproteins, metal transport (membranes, energy, channels, pumps), and metals in medicine. Prerequisites: ([CHEM 3361](#) or [BIOL 3361](#)) and [CHEM 3341](#). (3-0) R