

Honors 2005

Requirements for Honors in Chemistry include a program of research with readings from the original literature, presentation of an Honors Essay, typically about 60 pages in length, and the satisfactory completion of a comprehensive oral examination in the subject area of the research. This year twelve Seniors were awarded Honors in Chemistry. (Faculty mentors' names are in parentheses.)

Emily Carper (Poutsma)

Experimental and Computational Investigations of the Proton Affinities of Pin 1 Related Substrates

Daniel Chan (DeFotis)

Study of $\text{Fe}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ and Preparation of Deuterated Materials

Sara Costa (Rice)

Determination of Methylmercury in Fish Tissue by Derivatization/Extraction and Detection by Gas Chromatography-Mass Spectrometry

Megan Dellinger (Pike)

Synthesis of Molecular and Network Complexes of Copper(I), Nickel(0) and Nickel(II) with Phosphite and Phosphine Ligands

Jen Dertinger (Bebout)

Coordination of Heavy Metals with Biologically Relevant Ligands

Ethan Greenblatt (Kranbuehl)

Kinetics of Amide Bond Hydrolysis in Nylon Polymers and Small Molecules

Courtney Hastings (Harbron)

Investigation of Aromatic Stacking Interactions through an Azobenzene Photoswitch

Hillary Huttenhower (Orwoll)

Development of Select Polyimides and Poly(arylene ether)s for Radiation Shielding in Outer Space

Palak Oza (Abelt)

The Photochemistry of Thiobenzoates