

Honors 2007

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 eight Seniors were awarded Honors. Faculty mentors' names are in parentheses.

Tim Brown (Hinkle)

Diastereoselective Bi(III)-Mediated Tandem Cyclization-Addition Reactions Leading to 2,6-disubstituted Tetrahydropyrans

Emily Dugan (Pike)

Synthesis and Characterization of Copper(I) Halide and Nitrate Complexes of Heterocyclic Thioureas

Megan Fikse (Abelt)

Photochemistry of Thiobenzoate

Maria Happel (Poutsma)

Collision Energy Range Effects on Thermochemical Properties Derived from the Kinetic Method

Cory Messerschmidt (Orwoll)

Effects of Structure on the Glass Transition Temperature of Aromatic Polyimides

Tyler Owens (DeFotis)

A Study of the Lower Dimensional Mixed Magnet $\text{Mn}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot \text{H}_2\text{O}$ across the Complete Composition Range

Tristan Tronic (Pike)

Synthesis and Luminescent Behavior of Copper(I) Cyanide Networks with Diimine and Polyamine Ligands

Stacy Tse (Harbron)

Exploring the Photoswitching Capabilities of Azobenzene-Poly-(*p*-phenylene vinylene) Derivatives in Film

Alex Zestos (Starnes)

Effects of Copper-Based Montmorillonite Clay Additives on the Fire Retardance and Smoke Suppression of Poly(vinyl chloride)