

Honors 2003

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

Edith Bowers (Bebout)

Investigation of Hg(II) and Cd(II) Coordination with Dipodal and Tripodal Ligand Systems

Skip Brenzovich (Abelt)

The Synthesis and pH Switching Properties of Cresolphthalein Derivatives

James Cahoon (Orwoll)

Preparation and Characterization of Polyimide Nanocomposites

Kady Dendramis (Pike)

Organomanganese Complexes with Caged Phosphite Ligands

Chris Jones (Poutsma)

Gas-Phase Acidities of Amino Acids from the Extended Kinetic Method

Bethany Lobo (Abelt)

The Synthesis and Comparison of Two Model Compounds of 6-Propionyl-2-dimethylaminonaphthalene (Prodan)

Scott Lyle (Kranbuehl)

Characterizing the Hydrolysis Degradation of Commercial Polyamide-11 in Neutral Environments

Adam Slansky (DeFotis)

Preparation and Magnetic Behavior of $\text{Co}_{1-x}\text{Mn}_y\text{Fe}_{x-y}\text{Cl}_2 \cdot \text{H}_2\text{O}$,

$\text{Fe}_{1-x}\text{As}_x[\text{S}_{1-2x}\text{Se}_{2x}\text{CN}(\text{C}_2\text{H}_5)_2]_2\text{Cl}$ and X-Ray Study of $\text{Mn}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot 2\text{H}_2\text{O}$