Honors 2002

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

Tom Borsari (DeFotis)
Study of Single Crystal $Co_{1-x}Ni_xCl_2 \cdot 2H_2O$ and Preparation of $Fe[Se_2CN(C_2H_5)_2]_2Cl$

Jenine Cole (Pike)
The Synthesis and Characterization of Cu(I) Complexes with Caged Phosphite Ligands

Kate Colyer (Poutsma)
Theoretical and Experimental Determinations of Gas Phase Thermochemical Properties of Proline Analogs and Diamines

Alex Doyal (Pike)
New Copper Compounds as Smoke Suppressants for PVC

Dan Gray (Abelt)
The Attempted Synthesis of *o*-Cresolphthalein-Capped β-Cyclodextrin

Stefan Kosovych (DeFotis)
Magnetic Properties of $Mn_{1-x}Ni_xCl_2 \cdot 2H_2O$

Sohini Majumdar (Bebout)
Characterization of Cyclic Dipeptides in β-Cyclodextrin Inclusion Products

Ann Mikowski (Hinkle)
Aryl Iodanes: Syntheses and Fragmentation Reactions

Phil Murray (Starnes)
A Cone Calorimetric Study of the Smoke-Suppressing and Fire-Retarding Effects of Copper Complexes on Plasticized Poly(Vinyl Chloride)

Julie Viehweg (Bebout)
I. Stabilization of the Mercurous Ion by Tetradentate Amines
II. N-(2-mercaptoethyl)picolyamine Complexes of Mercuric Salts

Josh Wind (Poutsma)
Experimental and Theoretical Determinations of Gas-Phase Thermodynamics of Biologically Relevant Compounds