

Honors 2009

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 ten Seniors were awarded Honors. Faculty mentor's names are in parentheses.

Norah Bate (Orwoll)

Monomer and Polyimide Production for Radiation Shielding Purposes in Manned Space Exploration

Matt Bernier (Poutsma)

Investigations of the Fragmentation Spectra of Peptides Containing Lysine and its Non-Protein Amino Acid Homologs

Hannah Cohen (Coleman)

A Computational Investigation of FTY720P-Mediated Neuroprotection in Multiple Sclerosis

Elise Dennis (Poutsma)

Non-Covalent Interactions of Amino Acids and Their Methyl Esters with Nucleotides in the Gas Phase

Jacob Kuperstock (Pike)

Synthesis and Luminescent Behavior of Piperazinium Chlorocuprates(I) and Copper(I) Iodide and Bromide Complexes of Aliphatic Diamine Ligands

Amanda Ley (Pike)

Structure and Luminescence of Copper(I) Cyanide Networks Incorporating Monoamine, Diamines and Monoimine Ligands

Sarah Milam (Kranbuehl)

Spontaneous Amide Bond Formation of Amino Acids in Aqueous Solution

Najiba Murad (Bebout)

Characterization of High Coordination Number Mercury Complexes with Biologically Relevant Thiolates by ESI-MS and X-Ray Crystallography

Brooklynd Saar (Harbron)

Molecular Synthesis of Photoresponsive Polymers using Click Chemistry

Lee Speight (Hinkle)

Bismuth(III) Salt-Catalyzed Cyclic Ether Syntheses