

Honors 2010

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.)

Rebecca Allred (Harbron)

Substituent Effects on pH-Responsiveness of Rhodamine Spiroamide Dyes

Douglas Challener (Poutsma)

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

Christina Davis (Harbron)

Photomodulation of Conjugated Polymer Nanoparticles *via* Photochromic Dye Doping

Tara Hagedorn (Landino)

The Detection of Methionine Sulfoxide in Tubulin and Glyceraldehyde 3-Phosphate Dehydrogenase

Kathryn Peth (Harbron)

The Synthesis and Subsequent Fluorescent Studies of Spiro-oxazine Functionalized Poly(phenylene vinylene) Using the Gilch Polymerization

Tyler Stuckenbroeker (Thompson)

Formation of Highly Electrically Conductive and Specular Reflective Surface Silvered Polyimide Films under Exceptionally Mild Conditions

Thomas Wallin (DeFotis)

Preparation and Study of a Rare Ternary Insulating Magnet

Anna Wirth (Landino)

Methods to Study Tubulin S-Glutathionylation