Honors 2015

Requirements for Honors in Chemistry include a program of research with readings from the original literature, presentation of an honors thesis, typically about 60 pages in length, and the satisfactory completion of a comprehensive oral examination in the subject area of the research.

Christian Chamberlayne

Initiation of Photochemical Reactions via FRET from Fluorescent Conjugated Polymer Nanoparticles

Patrick Crossland

First-Row Transition Metal Coordination Compounds for the Electrocatalytic Generation of Hydrogen from Organic and Aqueous Solutions

Jacob Daniels

Novel Methodologies to Study Protein S-Glutathiolation Using Fluorescence Spectroscopy

John Gray

Diffusion-Based Biomolecular Sensing Using Low-Field NMR

Natalie Hudson-Smith

The Effect of Functionalized versus Unmodified Graphene Oxide on Polymide Nanocomposite Properties

Hae Seong Kim

Incorporation of Graphene Oxide into Polyacrylic Films for Enhancement of Performance Properties

Taylor Lain

Thiols in Glycolysis: Effects of Cysteine Modification on Pyruvate Kinase Activity

Maren Leibowitz

Studies Directed Toward the Synthesis of Aristopyridinone A

Kathryn Mayer

Electro- and Photocatalytic Generation of Hydrogen by Iron Polypyridyl Complexes

Johnathan Maza

Development of Novel Chemical Techniques to Address Biological Questions

Pei Pang

Investigation of the Interaction Between Graphene Oxide and a Biopolymer Surface

Benjamin Raliski

Development of a Site-Selective Protein Immobilization Methodology Utilizing Unnatural Amino Acids

Jarrell Raper

High Performance Co-Polyimide Synthesis for Cosmic Radiation Shielding

Grace Taumoefolau

Synthesis and Characterization of pH-Sensitive Rhodamine 6G Spirolactam Structures

Jordan Villa

Unnatural Amino Acids in Proteins for Development of Novel Biochemical Tools

Catherine Wise

The Electro- and Photocatalytic Activity of a Ni-NNSS Schiff-Base Complex for Hydrogen Generation

Congqi Yang

Cu(I) Networks with Polycyanoaromatic Ligands