Physics Department Senior Honors Research, 2016:

Jose Miguel Bautista (advisers: David Roberts, John Wardle)
*Calibrating and Extending A Simple Engine Model To Improve Constraints On Quasar Orientation*

Edan Chen-Zion (advisers: Bulbul Chakraborty, Richard Fell)
*Analyzing Statistical Mechanics Models of Avalanches in Granular Materials*

Flora Koyen (advisers: David Roberts, John Wardle)
*Analysis of Spatially Resolved Optical Spectroscopy of the Restarting Radio Galaxy 3C 219*

Daniel Kutner (advisers: Irving Epstein, Bulbul Chakraborty)
*Analytic Solutions to Phase Model of Pulse-Coupled Belousov-Zhabotinsky*

Michael MacKenzie (advisers: Craig Blocker, James Bensinger)
*ATLAS NSW Alignment System Radiation Tolerance*

**Elan Shatoff (advisers: Bulbul Chakraborty, Aparna Baskaran)*
*A Statistical Mechanics Model for Discontinuous Shear Thickening in Suspensions*

Isaac Weaver (advisers: Todd Thorsen MIT; David Roberts)
*Microelectronic Fabrication of a Medically Implantable Flexible Glucose Fuel Cell*

**Berko Award recipient for undergraduate research in Physics**