2020 Hauber Fellows

[Click here](#) to view the 2020 Hauber Research Presentations on YouTube.

Complementary and Alternative Medicines containing Antioxidants and How they Affect the Phagocytic Cells of the Innate Immune System
    Hauber Fellow: Sabrina Daglish
    Faculty Mentor: Dr. Christopher Thompson, Biology
    Supported by Grace

Complementary and Alternative Medicine (CAM) and its Effect on Macrophage Phagocytosis
    Hauber Fellow: Kirby Povilaitis
    Faculty Mentor: Dr. Christopher Thompson, Biology

Understanding the structure of AraC-DNA binding complex using software
    Hauber Fellow: Brian Hess (presenting with physics research students Benjamin Glezer and Brendan Toulan)
    Faculty Mentor: Dr. Mary Lowe, Physics

Study of issues associated with the external and internal environmental conditions and their critical impact on the quality of 3D printed parts and components
    Hauber Fellow: Ryan Overton
    Faculty Mentors: Dr. Yanko Kranov, Engineering

Patterns in Weakly Complete Sequences
    Hauber Fellow: Kyle Leblanc
    Faculty Mentor: Dr. Michael Knapp, Mathematics

The Thermodynamic Analysis of Substrates and Real or Possible Products of Phytoene Desaturase
    Hauber Fellow: Liam O'Grady
    Faculty Mentor: Dr. Heather Schmidt, Chemistry

Testing for Deep Neural Networks in Autonomous Vehicles
    Hauber Fellow: Jack Toohey
    Faculty Mentors: Dave Binkley & M Raunak, Computer Science

Hair Cell Modeling and Parameter Exploration for Hearing Sciences
        Hauber Fellow: Jack Baldwin
        Faculty Mentor: Dr. Suzanne Keilson, Engineering
        Supported by Whiting Turner

A Generalized Model of Temperature-Dependent Light Absorption for the Visible and Near-infrared in Thulium-doped YAG
        Hauber Fellows: Skylar Higgs and Matthew Spear
        Faculty Mentor: Dr. Joseph Ganem, Physics

Detecting clandestine graves using white Dutch clover; plant growth and germination in response to high cadaverine levels
        Hauber Fellow: Anthony Taylor
        Faculty Mentors: Dr. Maren Blohm, Biology and Dr. Courtney Hastings, Chemistry

Going Deep with Neural Networks: An Investigation into Deep Learning Methods for Efficient Image Recognition
        Hauber Fellow: Grayce Heinemann
        Faculty Mentor: Dr. David Hoe, Engineering

The influence of Kin selection on competition in Arabidopsis lyrate
        Hauber Fellow: Cameron Bullet
        Faculty Mentor: Dr. Bernadette Roche, Biology