**2020–21 Projects**

**Industrial and Systems Engineering**

* Workflow Optimization for Endovascular Surgery Suite
* Improving User Experience of BIE Website - Information for Prospective Students
* Quantification of Process Display Clutter
* Creating Data Dashboards and Process Development for Undergraduate Recruitment and Retention

**Biomedical Engineering**

* Autonomous Powered Sailplane for Search and Rescue Operations
* Variable Blood Simulant for Pulse Oximetry Test and Evaluation
* Blood Glucose Measurement Using RF Impedance
* Multichannel Infrared Breathalyzer
* Characterization of Bone Porosity
* Integrated Functional Optical Imaging and Electroencephalography Prove for TBI Monitoring
* Phantom Design for Medical Device Testing