

## **ELE 570 - Micro-Fabrication within Drones**

3 Credit Hours

This innovative course explores the fusion of micro-scale components and drone systems, where tiny electronic devices are seamlessly integrated to enhance the capabilities and functionalities of unmanned aerial vehicles (UAVs). From understanding micro-electromechanical systems (MEMS) to mastering sensor integration, wireless communication, and flight control algorithms, students learn how micro-fabrication is reshaping the future of drone technology.