AVIATION (AVI)

AVI 1000 — Unmanned Aerial Systems
Credit Hours: 3.00   Total Contact Hours: 3.00   Lecture Hours: 3.00
Introduces Uncrewed Aerial Systems (UAS). Includes basic explanation of the technology, applications used in a variety of emerging industries, the Federal Aviation Administration (FAA) regulatory framework, data collection, and privacy issues. Instruction will cover content needed to sit for the drone certification exam.
Offered: Spring.

AVI 1200 — Unmanned Aerial Systems Basic Operation
Credit Hours: 3.00   Total Contact Hours: 4.00   Lecture Hours: 2.00   Lab Hours: 2.00
Introduces students to the foundational principles of drone technology and applications across a variety of emerging industry settings. Topics include basic setup, operation, sensor integration, and safety protocols. Students will explore the selection and use of sensors for industry-specific tasks and gain hands-on experience in troubleshooting operational challenges, including error resolution in drone mapping processes.
Offered: Fall
Prerequisites: AVI 1000.