

## Academic Plan as of Fall 2017

### Program Description:

Be on the forefront of Unmanned Aircraft Systems (UAS) design, operation, and policy. UNLV's UAS Certificate takes an interdisciplinary approach, covering not only UAS design and operation, but also privacy and legal issues. The state of Nevada is one of just six UAS research and test sites nationwide selected by the FAA. UNLV's proximity to this designated airspace combines with substantial faculty expertise to create a unique opportunity for learning state-of-the-art UAS technology. The UAS certificate is offered in partnership through UNLV Continuing Education and the Howard R. Hughes College of Engineering. The certificate program is open to anyone interested in this rapidly growing field of aviation.

### Prerequisites and Admissions Requirements: N/A

### Program Learning Outcomes:

- Students will be able to describe basic UAS design and components and its current applications in both military and civilian fields.
- Students will be able to describe amateur/experimental Flight Test design and Airworthiness Compliance and its current applications in both public and civilian UAS. They will also be able to apply for a Federal Aviation Administration Repairman certificate-experimental aircraft builder under 14 CFR § 65.104
- Students will obtain the necessary aeronautical knowledge and meet the prerequisites specified in the FAR part 61 for the private pilot airplane knowledge test.
- Students will be able to recognize privacy concerns of using drones based on the First and Fourth amendments to the U.S. Constitution.
- Students will be able to apply intellectual property laws and critical thinking skills in legal cases regarding drone security and surveillance.

### Program Requirements:

To earn the Unmanned Aircraft Systems Certificate you must successfully complete four core courses.

### Required Courses:

- Unmanned Aircraft Systems Certificate Program Application (UA9999)
- UAS Design & Applications (UA1100) – must be taken prior to UAS Simulation & Testing
- UAS Simulation & Testing (UA1103)
- Ethics in UAS Operations (UA1104)
- Private Pilot Ground School (TP1104)

### About This Program:

The Unmanned Aircraft Systems program is designed to meet the needs of Southern Nevada for a prepared and educated workforce in the field of unmanned aircraft systems operations. This entry level program provides an opportunity for members of the community interested in pursuing a career in unmanned aircraft systems.