

UAV Program

Several Programs

- KSU – Salina - graduates only get private pilot certificates
- Emery Riddle - Have option to specialize in professional pilot studies (in which case they become licensed) or in UAS operations)
- University of North Dakota same as KSU
 - Focus more on Flight background, FAA Regulations, Systems and Circuit Design, Remote sensors, robotics, etc.
 - Most of the programs use simulators for the flying.
 - Current FAA rules make it illegal for colleges to have students fly an actual drone in the open unless tethered or in an enclosed structure.
 - There is a provision for Universities to apply for a special license (COA)

Other Programs

- There are some colleges offering programs
 - Use simulators
 - Building domed building (may still have problems)
 - Sinclair Community College Partnered with Ohio State University to form the “National Center for UAS Training and Education”
 - Received \$4 million from state
 - Applied for COA to fly over the Don Scott Airport and the Molly Caren Agricultural Facility (must be university to apply)

* Sinclair has over 40,000 unduplicated students each year (also one of the oldest community colleges)

There's No Flying In Drone School

- Current FAA rules require a pilot license to operate*.
- “Kansas National Guard revoked KSU’s privileges to use military airspace in 2014 due to pressure from the DOD and will now rely on simulators” according to Kurk Barnhart, Program Director.
- “Curriculum is based on best guess on what exists now and what would exist in five years” Ben Trapnell, program founder UNC
- Estimated that final rules will take several years to be developed.
- KSU/WSU/KU all picked to join National Centers of Excellence
 - Research based
 - Work with FAA/other Universities

* Special exemptions have been issued –very limited

Program

- Average undergraduate program costs over \$100K
- Graduates are expected to make \$50k>
- Estimated jobs in next 15 years is 23,000
- Mix of faculty required (most with professional certifications)
- Computers with special controllers
- Simulation programs
- Models
- Would need to partner with KSU

Recommendation

- Not feasible without a partnership
 - Lack of resources
 - Lack of funding
 - Cost of program
 - Current FFA rules
 - Duplication of program

Do think some classes added to current programs or minor may work for us.