

Fact Sheet for Small Unmanned Aircraft Systems (sUAS)

Princeton University has implemented an approval process and procedures to ensure safe and responsible operation of Small Unmanned Aircraft Systems (sUAS) in, on or above university property or at university-sponsored activities. The University policy applies to members of the University community (student, staff and faculty), third party contractors, and visitors. University practices are designed to be in compliance with Federal Aviation Administration (FAA) regulations and other applicable laws.

REGISTER

The FAA requires sUAS to be registered with the agency if the device will be used outdoors and weighs between 0.55 lbs and 55 lbs.

- Online registration is applicable to self-built or purchased devices
- Registration is valid for 3 years
- sUAS must be marked with the registration number
- Cost is \$5
- Website - registermyuas.faa.gov

REQUEST TO FLY

The University must pre-approve for all sUAS flights on campus prior to flying in outdoor areas and all indoor common spaces.

- Online request form
- Request specific days and times
- Reservation of athletic spaces will be made on your behalf
- Website - drones.princeton.edu/suas-flight-request-form

LEARN MORE

Visit the program website drones.princeton.edu for more information:

FAQs Frequently asked questions about the use of sUAS at Princeton
POLICIES AND PROCEDURES University rules for using sUAS on campus and in research, education, recreation, and business

WHERE TO FLY Discover where you can fly on campus and off

FORMS Forms you will need to fly your sUAS

FAQs

What type of sUAS activities are allowed on campus? Learn more on the reverse side of this factsheet about the recreational, educational, government, and commercial operations authorized through FAA regulations. All flights outdoors or indoor common spaces on the Princeton University campus require review and approval.

How far in advance should flight requests be made? Submit requests 2 weeks prior to the first proposed flight. Multiple dates and times may be requested at a single time, which is recommended in the case of adverse weather.

Where can I fly? Several fields can be reserved for sUAS flights: Sexton, Sherred, Poe/Pardee and WW Fields. Privacy, safety and security issues limit other parts of the campus due to the proximity of buildings and people. Special requests will be considered.

When planning to fly off campus, the sUAS operator is responsible for obtaining the necessary permissions and abiding by all applicable regulations. Check out the FAA's B4UFLY app which helps sUAS operators know about restrictions or requirements.

What about international locations? FAA regulations apply to sUAS within the United States national airspace system. Other countries may have their own regulations and laws governing sUAS operations, which you are responsible for following. Learn about the requirements before you go.

Whom do I contact if an sUAS is used in an unsafe manner on university property? Contact Public Safety (609-258-3333) in the event of an emergency or if an sUAS is being operated in an unsafe manner.

Whom do I contact for more information? The sUAS management team includes Karla Ewalt, Associate Dean for Research, Robin Izzo, Director of Environmental Health and Safety, and Paul Ominsky, Executive Director of Public Safety (drones@princeton.edu).

Requirements	Small UAS (sUAS) rule (Part 107)	Model Aircraft (Section 336)	Public COA
Eligibility overview	Individuals engaged in faculty-led research, university operations or commercial operations. Part 107 went into effect in August 2016.	Individuals engaged in educational activities, hobby and recreation. Effective in May 2016, an Educational Use of Unmanned Aircraft Systems interpretation addressed student use of unmanned aircraft in furtherance of receiving instructions at accredited educational institutions.	Individuals flying with public entities, FAA test sites, centers of excellence and others with public certificates of authorization (COA). Collaborations with public COA holders may enable some sUAS operations.
Examples of purpose	Research, education, building inspections, photography, land survey	Recreation, model aircraft clubs, coursework, undergraduate independent research	Research collaboration
Operator	<ul style="list-style-type: none"> Part 61 pilot certificate or Remote Pilot Airman Certificate (or fly under direct supervision) Remote Pilot Certificate, includes an aeronautical knowledge test and TSA clearance No operation if physical or mental condition would interfere with safety 	<ul style="list-style-type: none"> No pilot certificate required Operate in accordance with a community-based set of guidelines (e.g., safety code of the Academy of Model Aeronautics) No operation under drug or alcohol influence 	Refer to COA
Visual observer	<ul style="list-style-type: none"> Visual observer is allowed, required for first person view or similar technology Keep the aircraft in visual line-of-sight Daylight and twilight operations 	<ul style="list-style-type: none"> Keep the aircraft in visual line-of-sight Daylight operations 	
Aircraft	<ul style="list-style-type: none"> Up to 55 lbs. (25 kg) Operations of multiple sUAS by single operator is not allowed 	<ul style="list-style-type: none"> Up to 55 lbs. (25 kg) 	
Altitude maximum	<ul style="list-style-type: none"> 400 feet above ground level If higher than 400 feet, remain within 400-feet of a structure. 	<ul style="list-style-type: none"> 400 ft above ground level 	
Airspace location and operating environment	<ul style="list-style-type: none"> Class G airspace (uncontrolled airspace <1200 ft) Prior authorization from air traffic control for operation within Class B, C, D and lateral boundaries of surface area of class E 	<ul style="list-style-type: none"> Needs to be 5 miles from airports without prior notification to airport and air traffic control Notification required if flown within a 5 miles of an airport or heliport 	
Other aircraft	<ul style="list-style-type: none"> Must yield right of way to manned aircraft 	<ul style="list-style-type: none"> Must yield right of way to manned aircraft 	
Speed	<ul style="list-style-type: none"> Must fly at or below 100 mph 	<ul style="list-style-type: none"> No speed limitation 	
People	<ul style="list-style-type: none"> Must not fly directly over people 	<ul style="list-style-type: none"> Remain at least 25 feet away from individuals and property 	
Vehicles and structures	<ul style="list-style-type: none"> Must not fly from a moving land or water-borne vehicle except in sparsely populated area No operations from a moving aircraft 	<ul style="list-style-type: none"> Avoid flying over unprotected vehicles or structures 	
Legal or regulatory basis	Title 14 of the Code of Federal Regulation (14 CFR) Part 107 (Overview) Waivers to some conditions may be sought	Section 336 – Special Rule for Model Aircraft (FMRA), legal interpretation (Guidelines)	49 U.S.C 40102(a)(41), 40125, and FAA Advisory Circular 00-1.1A, Public Aircraft Operations