

Minimum Drone flying requirements

- Read the safety manual
- Read quickstart guide
- Have drone registration on hand
- Drone registration number clearly marked on the drone
- Carry a copy of Prof. Chaterji's FAA registration certificate

Flyer is responsible for bringing:

- Smartphone
- DJI GO 4 app
- USB A-to-C cable

First flight has to be supervised by someone who has flown before.

First flight has to happen in an obstacle-free, wide open area, with batteries fully charged. (Eg. WL Amphitheater grass field)

Check local regs for altitude limits. Generally, don't go over 300ft (FAA limit is 400').

Drone registration info:

- Phantom 4 - FA3TYNL3XR
- Mavic 2 Pro - FA3TYNMX3M

Certs:

P4:

https://drive.google.com/file/d/1A4A8cCLZcXS_Ta0Hcwe2p5Gnj9s7y35A/view?usp=sharing

Mavic 2 Pro:

https://drive.google.com/file/d/1_FtDYiLKddxIZ8gBXd8hCSfB-Rcjs5fn/view?usp=sharing

Somali,

Your students will need to be Part 107 certified to commercially operate UAVs (even for research to fly under the University). Extension has a preparation class on to help prepare for the exam and you can see where the classes are on <https://extension.purdue.edu/uav/training-program/>. The class is \$200/person. This class is for exam prep/ flight training only. Your students will still need to actually take the 107 exam most likely at the Purdue Airport (it is closest) but they can sign up and do it anywhere. There are other training programs as well if there is interest there. Also they don't have to take a training program in order to take the test. They can just study the materials online (there are numerous sources). The test is around \$160/person.

You will need to register the drones regardless of intended use since you are under 107 and they are over .55 lbs. This can be done on <https://faadronezone.faa.gov/#/>. It costs around \$5.

Once they are certified and the UAVs registered they will need to get right with Purdue Risk Management. I worked with Dave Truett (dtruett@purdue.edu). I also attached the UAS Notification Form I used at the time.

Once that is filed they will need to talk to Jason Adams at the ICSIC and let him get a photocopy of their pilot certificate to have on file to fly at ACRE. He will probably want a copy of the form on file with Risk Management too.

That should be the process to legally fly in the Purdue ecosystem.

Thanks,
John

Drone images

<https://photos.app.goo.gl/cnHjoZszRsuJo9gb8> [Akhil, March 2021], first flights with DJI Mavic --
03/29/2021

<https://photos.google.com/share/AF1QipOSl3fOCZDBiGjAhr4X1Y0CNyI0xhzx2FOyiTJVYtNjH7aPIQcQ5Oa0xloU3k3uGA/photo/AF1QipM5eQhzFy2iZf8OpfUxGQKMW6TANPhDQ97--yXS?key=dTl6ekdmVkF2OTd4TWp4VDVFVE1iSkZpNThqU0hB>: DJI MAVIC

<https://photos.google.com/share/AF1QipOSl3fOCZDBiGjAhr4X1Y0CNyI0xhzx2FOyiTJVYtNjH7aPIQcQ5Oa0xloU3k3uGA/photo/AF1QipM5eQhzFy2iZf8OpfUxGQKMW6TANPhDQ97--yXS?key=dTl6ekdmVkF2OTd4TWp4VDVFVE1iSkZpNThqU0hB>: perfect first landing

<https://photos.app.goo.gl/cnHjoZszRsuJo9gb8> [Tomas]

ABE office etc

Please find the pictures and videos for our new lab space on Google Drive: [PW]

<https://drive.google.com/drive/folders/1Bqw--ThtOqNOrwh8ZdAuBDA7CkznVPUE?usp=sharing>

Our lab space is in the [new ABE building](#) on the third floor in the north part, adjacent to Prof. Chaterji's office 3041L.

The new ABE building's location on Google map: <https://goo.gl/maps/5iV2eWkq9vzh4RUq6>