

TEACHER PROFESSIONAL DEVELOPMENT IN SMALL UNMANNED AIRCRAFT SYSTEMS (SUAS, DRONES)

Develop Knowledge and Skills Through Hands-on Training Using Drones.

Obtain FAA Part 107 Remote Pilot Certificate (RPC)

Receive an Instructional Drone, Classroom-Ready Lessons and Modules, and Support and Mentoring to Teach the CTE High School UAS Course



What To Expect?

- Professional development provided through two components:
 - Two-day virtual synchronous workshop plus online resources to prepare for the Part 107 RPC (Spring 2022)
 - Four-day in-person UAS Institute hosted by Virginia Tech (Summer 2022)
- All meals and lodging during the Institute and transportation support to/from Virginia Tech
- Funding for the FAA RPC Exam
- Instructional drone, safety vest, and operating supplies
- Mentoring and Support During Academic Year 2022-23
- \$500 stipend for successful completion of all project component
- Mini-grant of up to \$2500 to support classroom supplies

Knowledge & Skills

Develop knowledge and skills to include:

- National Airspace and Regulations
- Weather and Performance
- Safety in Performing Operations
- Mission Planning
- Piloting and Visual Observing
- Data Collection and Analysis
- UAS to Support Multiple Applications
- Leading Service-Learning Missions

Minimum Qualifications

- Current CTE high school teacher in Virginia with an interest and commitment to teaching the CTE (#8910) UAS course during academic year 2022-23
- Administrative support to teach the UAS course as documented by a letter of support
- In addition to the FAA Part 107 RPC, teachers must have a license in one of the following to teach the UAS course. Only teachers with a license in one or more of these areas are eligible to apply:
 - Engineering
 - Technology Education
 - Agricultural Education
 - Horticulture
 - Agriculture Machinery Service
 - Landscaping Technology
 - Aviation: Pilot Training
 - Commercial Photography
 - Aviation Maintenance Technology
 - Public Safety
 - Television Production
 - Firefighting
 - Law Enforcement

Female teachers and teachers who are a member of a federal recognized underrepresented minority group in STEM are especially encouraged to apply. Teachers who serve a high percentage of female and minority students are also encouraged to apply.



Apply online at: <https://vsgc.odu.edu/virginiapilotpathways/>

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