

## 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 (March 21-22 2022)
  - In-person UAS Institute hosted by Virginia Tech (June 26-30, 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 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 or integrate UAS course competencies and content within an existing CTE course.
- In addition to the FAA Part 107 RPC, teachers must have an endorsement in one of the following to teach the UAS course:

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| • Engineering                   | • Commercial Photography          |
| • Technology Education          | • Aviation Maintenance Technology |
| • Agricultural Education        | • Public Safety                   |
| • Horticulture                  | • Television Production           |
| • Agriculture Machinery Service | • Firefighting                    |
| • Landscaping Technology        | • Law Enforcement                 |
| • Aviation: Pilot Training      |                                   |

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.

Integration of UAS content is defined as: teaching all course competencies related to the FAA Part 107 remote pilot certificate exam, flight operations, and hands-on manual drone flying exercises. Students should be prepared to pass the Part 107 exam following completion of the course.

Apply online at: <https://vsgc.odu.edu/virginiapilotpathwaysprogram/uas-teacher-professional-development/>

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Point of Contact: Chris Carter, Deputy Director, Virginia Space Grant Consortium; Email: [cxcarter@odu.edu](mailto:cxcarter@odu.edu)

