

Job Title: Autonomous Systems Operator

Description

This is a part-time, non-benefited position.

Autonomous Systems Operators will perform work on various research projects involving autonomous systems. Specifically, we are looking for personnel to perform data collector roles and commercially operate unmanned aircraft systems (UAS)/act as a visual observer (VO) for flight operations.

Students will be working with multiple federal and state agencies on research that is directly benefitting the integration of unmanned aircraft into the national airspace system (NAS). Initial research will require data collectors with follow on research requiring both data collectors and commercial UAS operators. Please see the Schedule section below for more details.

Duties & Responsibilities

The Autonomous Systems Operator will:

- As a data collector:
 - Perform data collection efforts
 - Interface with Unmanned Service Suppliers
 - Report collected data to necessary personnel
- As a Commercial Operator:
 - Obtain a part 107 commercial license if needed
 - Train and become certified on Research Institute for Autonomous Systems (RIAS) aircraft
 - Prepare aircraft and supporting equipment for flight operations
 - Act as pilot in command and be responsible for safety throughout all phases of flight

Requirements & Competencies

- Must be a U.S. Citizen
- Knowledge of Unmanned Aircraft Systems
- Part 107 required if acting as PIC
- Fluent English speaker, reader, and writer
- Basic computer skills
- Ability to use tablets/handheld electronic devices
- Ability to multitask effectively
- Ability to communicate effectively and efficiently
- Ability to perform tasks without direct supervision
- Ability to troubleshoot and resolve issues on the fly
- Successful completion of criminal history records check

Preferred Qualifications and Experience

- Must be a U.S. Citizen
- Knowledge of Unmanned Aircraft Systems
- Already obtained Part 107 commercial certificate
- Experience flying DJI and pixhawk aircraft
- Experience operating sensor payloads on aircraft
- Experience with both mission planner and QGroundControl software
- Experience building and maintaining DJI and pixhawk based unmanned aircraft.

Work Location

- Work will require travel and will generally be in the field performing duties.
- May require some remote/online work
- May require some work at the UND Tech Accelerator (4201 James Ray Drive, Grand Forks, ND 58202)

Schedule/Description of hours

- This is a temporary position in nature and based on the needs of research projects.
- Current research needs require us to:
 - Fill 3 data collectors per day from August 9th - 13th
 - Fill 4 data collector roles per day from August 16th - 20th
 - Fill 5 data collectors per day from August 23rd - 27th
- In order to be considered for hiring you must be able to be in the field for some of those testing days.
- There is no guaranteed number of hours per week.
- All travel expenses will be paid.

Hourly Pay;

- \$17/hour

Employment Eligibility

The University of North Dakota determines employment eligibility through the E-Verify system: What is E-Verify? New employees to the University of North Dakota must present specific identification to determine their employment eligibility no later than their first day of work. To view the identification required, please see the [List of Acceptable Documents](#). You will be required to have one item from List A OR one item from List B and List C.

To Apply

For full consideration, applications must be received by 7/16 **and** include the following materials:

- Resume

- A breakdown of your availability for the above August testing dates (word/excel format is acceptable)

Please include in application if you are currently or have in the past 12 months been employed with the University of North Dakota, the North Dakota University System or any other North Dakota State agency. If so, include which agency/department, as well as your how many hours you work a week and in the past 12 months.

Position is open until enough candidates are hired to meet the needs of the above testing days and future research.