

National Air Grant Fellowship

Job Description Document

May 23, 2024

Overview:

The FAA has developed the Samya Rose Stumo National Air Grant Fellowship program, as directed by Congress in the Aircraft Safety and Certification Reform Act of 2020.¹ As stipulated by the legislation, eligible students will come from any discipline or field that is concerned with, or likely to improve, the development, assessment, operation, safety, or repair of aircraft and other airborne objects and systems. Among others, this includes the following:

- A. Aerospace engineering
- B. Aerospace physiology
- C. Aeronautical engineering
- D. Airworthiness engineering
- E. Electrical engineering
- F. Human factors
- G. Software engineering
- H. Systems engineering

Duties and Responsibilities:

Fellows are expected to perform the duties of the assigned position in federal government. The incumbent will serve as a Fellow under the Samya Rose Stumo National Air Grant Fellowship (NAGF) program, performing various assignments under the direction of a manager, project/program manager, team leader, or more experienced professional. Fellowships will be 12-months long beginning late June/early July of the cohort year. Fellows will act as an individual contributor and/or member of a team to provide support and assistance to develop, facilitate, and coordinate cross-cutting policies and standards.

The incumbent applies basic knowledge of engineering principles, theories, and concepts applicable to their discipline to accomplish assignments. Fellows will serve as an expert liaison and researcher for a Congressional committee or may participate in FAA program activities to further develop their knowledge and skills. Fellows will maintain knowledge of current and evolving aviation industry issues to identify solutions to aviation policy issues including but not limited to integration Advanced Air Mobility (AAM), sustainable aviation fuel (SAF), commercial space transportation, aviation financing, infrastructure modernization, and other emerging topics.

¹ See Section 131 of the Aircraft Certification Bill of December 2020.

Must be a U.S. Citizen.

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Knowledge, Skills, and Abilities:

- Knowledge of engineering concepts and principles to solve simple technical problems.
- Ability to plan, organize and coordinate assigned work with other team members.
- Ability to apply engineering concepts and principles to theoretical and practical policy matters.

Specialized Experience:

- Ability to prepare briefing materials for management meetings.
- Ability to communicate information to various audiences.

Application

Interested candidates must submit, via email, to 9-APL-NAGF@faa.gov, documentation that demonstrates interest in and qualifications for the Fellowship, including:

1. Résumé
2. Statement by applicant describing how the experience will be important to individual career goals, and areas of primary interest in aviation policy.
3. Letter of nomination from applicant's academic advisor, or other appropriate academic faculty, stating applicant's suitability for such Capitol Hill experience.
4. Second letter of reference from another appropriate official, which could be another professor.
5. Writing sample – a brief issue paper or memo by applicant on any subject demonstrating the ability to communicate well.
6. Transcript(s)

To apply, you must be a U.S. citizen, have an undergraduate degree and be pursuing an M.A. or PhD degree in a related field as listed or be within a year of completion of the post-graduate degree. You must also meet position-specific qualifications.