

Aviation safety analyst

An aviation safety analyst turns reports and observations into information that supports an organization's safety decisions. The verified example is a university flight-training position, not a regulator's inspector or independent accident investigator. Its pilot credentials should not be treated as requirements for every analyst job. [EMP1]

What the role does

- Review safety reports and flight-monitoring information for useful patterns. [EMP1]
- Support safety-system improvement and communication. [EMP1]
- Handle sensitive information responsibly and assist safety learning activities. [EMP1]

Where the work happens

University flight-training safety office; other employer settings need their own vacancy evidence.

Employer example

Middle Tennessee State University • United States - Tennessee • Aerospace Safety Analyst

Vacancy status unconfirmed not an offer • Checked 2026-10-27 [EMP1]

Category	What this employer states
Essential in this source	Bachelor's degree, or the stated alternative combining two years' Part 141 flight-training/instruction experience and 90 degree credits. Commercial single-engine-land pilot and flight instructor certificates. US citizenship or eligibility for US employment before employment.
Desirable in this source	Related degree; SMS, risk or data-analysis experience; additional flight qualifications.
Other stated conditions	Temporary, part-time appointment; notice date and current hiring status are not stated.

One employer and stated role only; this record does not establish current hiring unless explicitly marked active.

PREPARE AND VERIFY

Separate requirements from preparation

Organizational safety management: FAA distinguishes safety policy, risk management, assurance and promotion. An analyst may contribute evidence to that system, but this overview does not create a universal analyst licence or transfer management accountability to a new employee. [REG1]

Still to verify: Only one full primary employer description was verified; a NAV CANADA Workday result returned no readable vacancy text and was excluded. Full legal applicability of SMS requirements to the illustrated organization remains unresolved.

Explore a realistic entry route

- Choose the setting before choosing training: a flight school, airline or airport may use a similar title for different work. Start with a dated vacancy and identify what information the analyst handles, who receives the analysis and who makes decisions.
- Make a source table separating a degree requirement, operational certificates, analysis experience and preferred qualifications. Compare your real evidence against that particular notice; do not assume a short safety course replaces an explicitly required professional credential.

- Build basic data literacy and clear writing through ordinary, non-sensitive examples. When evaluating further learning, ask what supervised practice it provides, how assessment works and whether the employer recognizes it. Keep uncertain legal applicability as an unanswered question.

Build evidence of your skills

- Use an invented library-service dataset with counts of delayed returns. Define each field, check duplicate entries and write a short explanation of missing information. Do not present invented results as real aviation safety evidence.
- Create two versions of a chart caption: one that overstates a trend and one that accurately describes the limited data. Explain why a change in reporting activity alone would not prove that the underlying situation improved or deteriorated.

Prepare for an interview

- Preparation prompt, not a reported interview question: how would you tell a manager that a dataset cannot support the conclusion requested? Prepare a genuine example of checking evidence and communicating uncertainty respectfully.
- Explain the boundary between providing analysis and approving an operational change. Show how you would document assumptions, protect confidential material and seek an authorized reviewer without claiming authority you do not possess.

Investigate possible next roles

Investigate safety assurance, training support or safety-management roles after developing relevant experience. These are possible directions to research, not guaranteed promotions or automatic eligibility for regulatory inspection.

Sources and scope

[\[EMP1\] Middle Tennessee State University Aerospace Safety Analyst](#)

Vacancy status unconfirmed not an offer. United States - Tennessee. Checked 2026-10-27.

[\[REG1\] FAA Safety Management System Components](#)

Four SMS components and their organizational purposes. Overview, not a determination of which current legal duties apply to this university or every analyst. Checked 2026-10-27.

Educational reference. Verify current requirements with the relevant authority and employer. Examples are selected employer conditions, not an exhaustive application checklist or worldwide eligibility rules. Verify the current notice before acting. Learning exercises are not operational training, assessment or evidence of professional authorization. No emergency response procedures, screening methods, investigative tactics or personal medical eligibility advice are provided. No job guarantee.