



Founded in 2004, the AMES Group is known as a true one-stop-shop in the aviation industry. Airlines, Aircraft Owners and other Service Providers to the Aviation Industry trust in our services - from the first idea to the finished product in the aircraft.

Student Internship with the option for a follow-on Bachelor's / Master's Thesis

Definition of Mechanical Design Allowables and Strength Values from Existing Component Static Strength Test Data

 Immediate start possible, Internship duration 3 to 6 months

 PEGGAU, Austria

We are delighted to announce an exciting opportunity for aviation students or mechanical engineering students from our partner universities FH JOANNEUM Graz & Universidad Politécnica de Madrid with a strong interest in aviation to participate in a vocational internship program in Austria. As a renowned organization specializing in aircraft cabin reconfigurations and the design and production of aircraft cabin components we are continuously optimizing our product development and certification processes.

The objective of this vocational internship program is to analyze existing historic static strength test data performed on various cabin interior parts and components. From the available test data typical design details and tested loads for these design details shall be identified and documented to support the development of new aircraft interior parts. In case of insufficient data, previous tests shall be repeated with additional load cases on existing equipment or detail level tests can be defined and performed.

We invite you to take part in this program, where you will have the opportunity to gain invaluable hands-on experience that can be utilized for your Bachelor's or Master's thesis.

Key Facts

1. Internship

- Gain an overview of affected AMES cabin interior parts portfolio
- Review various component designs, gain an understanding of different cabin interior products and variants and identify the design details relevant for stress substantiation
- Gain an insight on static strength certification of cabin interior parts
- Review data and collect the necessary historic test data for further evaluation
- Utilize the internship project as a foundation for your bachelor's or master's thesis.

2. Follow-on Bachelor's / Master's Thesis

- ☑ Evaluation and assessment of structural strength data obtained during the internship and deriving design parameters for the respective products
- ☑ Definition of interface allowable
- ☑ Generate a Design Tool / Data Summary that supports feasibility checks of design concepts for new cabin interior components
- ☑ Derive design recommendations with regards to material usage and production technologies, manufacturing cost and weight considerations

3. Duration

- ☑ The vocational internship program will have a duration of 3 to 6 months. The exact timeline can be agreed and tailored to align with your academic requirements.
- ☑ Follow-on Bachelor- / Masters Thesis duration to be mutually agreed based on scope and academic requirements

What we offer

- ☑ Young and result oriented team members
- ☑ Settlement support in Austria / City of Graz
- ☑ Financial compensation to be agreed and negotiated
- ☑ Possibility to transfer the internship into a permanent working contract after graduation



We encourage aviation students or mechanical engineering students from our partner universities FH JOANNEUM Graz & Universidad Politécnica de Madrid with a strong passion for aviation to apply for this internship program at AMES.

Please submit your resume, cover letter, and any relevant academic transcripts or portfolio to services@ames.co.at.

Shortlisted candidates will be invited for an on-site or remote interview to further discuss the internship program.

Join us in shaping the future of aircraft cabin interior refurbishments and component design!

Ready to join our team?

We are looking forward to receiving your application & CV per mail: services@ames.co.at

AMES – Aerospace and Mechanical Engineering Services GmbH, Grazerstrasse 20a, 8120 Peggau, Austria (www.ames.aero)

EASA certified Production Organisation AT.21G.0015

EASA certified Design Organisation EASA.21J.299

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