



Topics of the admission interview
to the **Engineering and Management in Aviation** Master Study Program
Field of study: Engineering and Management
Faculty: Technological Engineering and Industrial Management
2025-2027

Following the interview, the admission board evaluates the candidates based on general criteria and the demonstrated knowledge in the field.

1. Previous or current connections to the field of the master program (1/3 of the final grade)

- Study courses (bachelor, master, training) completed in the envisaged or related fields;
- Current or past workplaces in the envisaged or related fields;
- Works/publications in the field: degree project, published scientific articles, participations in student scientific or professional contests;
- Other relevant connections presented by the candidate.

2. Motivation to study for the master's degree (1/3 of the final grade)

- Presentation of the motives underlying the decision to enroll in the study program. Aspects recommended to be discussed: completed professional training and current experience, envisaged competences and use of such in the candidate's professional career;
- Arguments that support the candidate's availability to participate in the teaching, learning and research activities entailed by the master's program;
- Details concerning the candidate's current activities and ways of reconciliation with the activities entailed by the master's program.

3. Capacity of operating with the specific concepts in the field (1/3 of the final grade)

The candidate's answers to questions connecting the current professional knowledge and/or experience to the envisaged field of study covered by the master's program.

The questions will be based on the following fields and topics:

Management

- Responsibilities of top – level management / middle – level management;



- Functions / departments of a company in the aeronautic field;
- Notions of leadership in aviation;
- Communication and negotiation techniques and organizational communication;
- Market research in aviation;
- Human resources in aviation.

Engineering

- Materials used in aeronautics industry;
- Types of aircrafts;
- Notions of sustainable development in aviation;
- Operational safety and risk management in aviation;
- Notions of quality management in aviation;
- Operations management.

Suggested / optional references list

- Anastasiei, T., Aeronautica de la A la Z, Editura Universităţii Transilvania, 2002.
- Saflin, S.T., Successful Leadership and Management in the Aviation Organization, Horwath Group, 2023.
- Hoppe, T., Composite Materials for Aircraft Structures, Willford PR, 2023.
- Cohen, H., You Can Negotiate Anything: How to Get What You Want, Kensington Publishing Corporation, 2020.
- Deaconescu, A., Comunicare în afaceri. Editura Universităţii Transilvania din Braşov, 2013.
- Slack, N., Brandon-Jones, A., Operations management. Pearson, 2022.