Programme Specification

Aviation Management and Sustainability {Double Degree} [TSI]

Version: 2026-27, v2.0, Validated

Contents

Section 1: Key Programme Details

Part A: Programme Information

Programme title: Aviation Management and Sustainability {Double Degree} [TSI]

Highest award: MSc Aviation Management and Sustainability

Awarding institution: Transporta Un Sakaru Instituts, UWE Bristol

Affiliated institutions: Transporta Un Sakaru Instituts

Teaching institutions: Transporta Un Sakaru Instituts

Study abroad: No

Year abroad: No

Sandwich year: No

Credit recognition: No

School responsible for the programme: CATE School of Engineering, College of Arts, Technology and Environment

Professional, statutory or regulatory bodies: Not applicable

Modes of delivery: Full-time

Entry requirements: The University's Standard Entry Requirements apply:

-A Bachelor's Degree or above in an Engineering, Science or Business related discipline.
-English language level: B2 or above
-Result of the Latvian Centralized Examination (CE) English test is not lower than 55%
-Personal Interview

Applicants who do not meet the normal entry requirements, but who do have relevant qualifications or professional experience, are encouraged to apply. Such applicants will be considered on a case by case basis. Applications should describe in detail professional experience and qualifications.

For implementation from: 03 January 2022

Programme code: H46C13

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: This postgraduate degree is designed to train aviation managers with an international outlook, who have acquired in-depth knowledge, skills and competences across various functional management areas pertaining to the contemporary aviation industry and who will be able to apply their knowledge to management activities in aviation-related companies for their sustainable development.

Features of the programme:

Educational Aims: The programme provides students with the opportunity to develop their skills and employability through interaction with external speakers from industry and through developing high-level skills in analysis, report-writing and communication. Graduates will be equipped to access employment in a wide variety of professional contexts, and/or to commence doctoral level study. Aviation managers are employed throughout the economy, for example; Aviation Project Manager, Aircraft Maintenance Manager, Safety Manager, Marketing Manager, Aviation Business Analyst/Consultant, and Aviation Trade Analyst.

Programme Learning Outcomes:
On successful completion of this programme graduates will achieve the following learning outcomes.

Programme Learning Outcomes

PO1. Interpret and critically evaluate the contribution of modern management concepts, technology, leadership, and systems thinking in response to dynamic changes in the aviation environment.

PO2. Demonstrate skills in the application of management techniques and models to address realistic aviation challenges drawn from a variety of real-world applications. This includes derivation of effective recommendations to complex, multi-disciplinary problems.

PO3. Demonstrate extensive knowledge of aviation management through interpretation of international and domestic regulations relevant to the aviation industry, and the legal aspects of international trade required in the aviation sector.

PO4. Analyse contemporary developments in the aviation industry and their strategic operation and management impacts to secure sustainable development.

PO5. Apply specific aviation concepts, ideas and theories in a variety of contexts such as operation strategy, technology innovation, project management, financial management, and strategic decision making.

Assessment strategy: The assessment strategy for the new curriculum is designed to connect topics and levels within the curriculum and to enable students to reflect upon their development. A variety of assessment types are used to enable students to demonstrate the intended learning outcomes of the programme.

Some modules include a controlled assessment in the form of an examination. This may be written or oral, depending on the nature of the learning outcome.

Structurally, there is ample opportunity to overcome individual barriers to learning through the formative feedback mechanisms. In-class tests and practical assignments are widely used to encourage engagement and to monitor progression. These tests help to build the student's confidence in practical skills.

Larger coursework assignments are used to test the student's ability to apply knowledge acquired in lectures. Deliver a substantial individual project and exercise decision making seeking practical recommendations where application of knowledge is essential to optimal solutions for multifaceted problems.

Student support: A flexible study process that provides students with the opportunity to study, considering everyone's interests and opportunities, and to actively participate in the improvement of the study content.

Students have an opportunity to follow an individual study plan when they enrol to TSI from another higher education institution.

Study course descriptions and study course learning materials are available to students in the e-learning environment, which allows one to adapt the study process to the individual needs of the student.

Different study methods are used in the study process: lectures, seminars, practical work, case studies, projects, meetings with industry specialists, etc., thus ensuring the students' interest in studies.

Students are provided with tutor guidance and individual consultations. Depending on the specifics of the study course, teaching staff use different teaching methods.

Lecturers inform students about the criteria and methods of the knowledge assessment during the first classes. Methods and criteria for the assessment of learning outcomes are included in the study course description available to the students in the e-learning system.

Commissions for the evaluation of study papers, internship reports and final examinations have been created, and representatives of employers have been invited to participate therein. The commission members are aware of the basic principles of evaluation.

Students may submit their complaints to the management of the institution regarding the content and organisation of studies; the procedure for submitting and reviewing the student complaints and proposals is prescribed in the TSI Regulations for Acceptance and Review of Student Complaints and Proposals, while the

requirements for the filing and review of appeals are additionally prescribed in the Rules of Study Procedure.

The Institution ensures the participation of students in the organisation of the study process. Students are represented and actively participate in all TSI collegial institutions - study directions councils, faculty councils, Senate, Constitutional Assembly. Student surveys are conducted every year to assess the teaching staff's teaching methods and quality of the study programmes.

TSI pays a lot of attention to the social aspects of student experience. Students are provided with the possibility to take part and initiate (together with the Students Self-Government) different events at TSI. Students Canteen is open for students to enjoy fresh food and beverages as well as to spend some time together. All TSI students have access to TSI Sports Club and benefit from the discounted membership fees.

Student security is taken seriously at TSI, and it has implemented a CCTV (video surveillance) system in all public areas.

To encourage networking and exchange of information, TSI students have the possibility to meet regularly with TSI alumni during their studies and social events. Annual alumni meetings are organised to connect students with the alumni and build up loyalty and reputation of the institution.

An IT support service is available to ensure the uninterrupted availability of IT resources throughout the learning process. A secure wireless computer network is available in all TSI’s buildings. Students can connect to a wireless computer network that is protected by the PaloAlto New Generation Firewall.

Most lecture halls are equipped with visual display equipment, and all lecture halls are equipped with high-power stationary video projectors or large television sets.

Laboratory classes take place in specialised auditoriums. The academic work utilises the Applied Software Systems Laboratory, a multidisciplinary research laboratory that provides TSI’s students, lecturers, and researchers with access to software

products, some of which are unique.

During the matriculation process, a student's handbook is issued to the students to provide them with an initial information about study process at TSI.

Welcome week in the beginning of the studies is organized to help students to understand how to successfully complete studies at TSI as well as provides team building and cross-cultural training support.

TSI technical support is provided by the IT department. A centralised study process and information structure support - helpdesk - has been set up to receive applications, process them and give guidance to support staff. Questions related to the study process are supported by the Studies Department and the Faculty Office, also providing feedback in communication with students.

TSI is friendly for people with disabilities, incl. infrastructure.

To the foreign students TSI offers visa and residence permit support, pick up from the airport, support in finding an accommodation in Latvia as well as induction activities to organise the integration of foreign students into the TSI study process and student life. TSI has a dedicated Foreign Students Coordinator, whose responsibility it is to give advice on the study process organisation, behavioural, ethical, and other issues at TSI. etc.

TSI has well established cooperation with the industry representatives and offers support to students to help them find internship possibilities. In addition, corporate partners contribute to the development and implementation of the study programmes, deliver guest lectures, and take part in the State Examination Commissions, thereby increasing employability of graduates.

Part B: Programme Structure

Year 1
The student must take 120 credits from the modules in Year 1.

Year 1 Compulsory Modules
The student must take 114 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UFMFHY-12-M	Airport Management [TSI] 2026-27	12
UFMFJY-6-M	Data Analysis [TSI] 2026-27	6
UFMFKY-6-M	Decision Making Methodologies [TSI] 2026-27	6
UFMFUY-6-M	Economy, International Business and Sustainability [TSI] 2026-27	6
UFMFVY-6-M	Financial Management in a Sustainable Context [TSI] 2026-27	6
UFME7L-18-M	Industry Work Experience [TSI] 2026-27	18
UFMFMY-6-M	Legal Aspects of International Trade and Aviation [TSI] 2026-27	6
UFME11-12-M	Management of Aircraft Maintenance [TSI] 2026-27	12
UFMFLY-6-M	Project Management [TSI] 2026-27	6
UFME31-6-M	Quality and Safety Management in Aviation 2026-27	6
UFMFNY-6-M	Research Seminar [TSI] 2026-27	6
UFMFRY-12-M	Strategic and Change Management in Aviation [TSI] 2026-27	12

UFME41-6-M	Strategic Human Resources Management and Leadership 2026-27	6
UFME51-6-M	Sustainable Supply Chain Management and Multimodality 2026-27	6

Year 1 Optional Modules
The student must take 6 credits from Optional modules

Module Code	Module Title	Credit
UFMFPY-6-M	Aerospace Risk Management [TSI] 2026-27	6
UFMFQY-6-M	Marketing Management [TSI] 2026-27	6
UFMFSY-6-M	Sustainable Engineering for Global Challenges [TSI] 2026-27	6

Year 2
The student must take 60 credits from the modules in Year 2.

Year 2 Compulsory Modules
The student must take 60 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UFMFTY-60-M	Masters Thesis [TSI] 2027-28	60

Part C: Higher Education Achievement Record (HEAR) Synopsis

The programme is aimed at postgraduate students who are able to apply their professional management knowledge and skills in an aviation context.

A successful graduate will be highly analytical, strategic and able to provide leadership in the way they articulate their knowledge in the context of 21st century global challenges facing multinational aviation organisations and SMEs. On completion, graduates will have experienced individual and group projects, demonstrating an ability to work independently and in a team. Graduates will be professionals who understand their strengths and able to work across different

business cultures and manage complex international relationships. Graduates from this programme will also be equipped to work in multi-disciplinary teams, able to critically appraise existing ideas and practice and produce creative solutions to engineering problems.

Part D: External Reference Points and Benchmarks

UK:

QAA UK Quality Code for HE

Framework for higher education qualifications (FHEQ)

Strategy 2030

University regulations and procedures

Latvia:

European Higher Education Area (EHEA)

European Qualifications Framework (EQF)

Latvian Qualifications Framework (LQF)

Part E: Regulations

Approved variant to University Academic Regulations and Procedures
https://www.uwe.ac.uk/study/academic-information/regulations-and-procedures