

Space Economy Program 2025

Draft Program Announcement

The Space Economy team at the Technical University of Dresden / Dresden International University considers introducing the Space Economy short program.

Program Overview

This 40-hour program provides a comprehensive introduction to the rapidly evolving field of the space economy, from Space Race competition to New Space of today. It is designed for both seasoned professionals seeking to expand their expertise and space industry newcomers.

Leveraging TU Dresden's academic excellence, the course features lectures from leading experts complemented by interactive colloquia to deepen understanding and foster discussion. Participants will gain valuable insights into the economic, technological, and policy-driven forces shaping the space industry's future. Upon completion, all learners will receive a TU Dresden / DIU professional development certificate.

Ideal Candidates

The program is tailored for non-space professionals looking to understand how today's space industry operates and how their skills are in demand. The target audience includes:

- Engineers joining space industry startups and established companies
- Investment managers
- Financial sector experts
- Academics

Course Logistics

Format: Online

Language: English

Duration: 40h with 30h of lectures

Evaluation: TBD

Course Fee: \$1599, groups and early birds are welcome for special conditions

Syllabus Outline

Block 1: Opening & Introduction

Block 2: Global Perspective and Enabling Technologies

Early exploration (space race) and public actors
Commercialization and oligopolistic corporations
New Space and venture scene
Early in-space business

Block 3: Economics of Space Economy

Microlevel 1: Firms and Market
Microlevel 2: Industry Structure
Microlevel 3: (Risks and) Financing
Macrolevel 1: State as actor
Macrolevel 2: State as regulator
Global level 1: Geopolitics
Global level 2: Sustainability

Block 4: Business Strategies & Academic Perspectives

4 guest lectures

Interactive Student Colloquia (2 sessions)

Collaboration Opportunity

This is a preliminary draft announcement. We welcome discussions with industry representatives interested in tailoring the course to meet specific personnel development needs.

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