



## Executive MBA | Space Architecture

### Shape and manage space on and off Earth

Living and working in space, research stations on the moon and on Mars are goals that are already opening up many opportunities on Earth. The experiences with the extreme extra-terrestrial living and working – but also planning – conditions can be used as a case study for pressing terrestrial questions. Extreme conditions are also increasing on Earth. The world is changing and we see that every day. Extreme weather and climatic conditions, environmental destruction, limited supply and access to the resources of planet Earth, sustainable building, optimization of land use are just a few of the buzzwords of our time.

This Executive MBA program spans an arc between economics, engineering, architecture and other technical and social sciences, to space and back to Earth. This unique interdisciplinary MBA conveys knowledge and know-how about new technologies and strategies for planning, building and living in space. At the same time, the reflection and synergies on current issues on Earth, such as the use of resources, the use of technology and the climate are an essential part of the joint discussion with the internationally recognized experts and leaders.

The course prepares executives, high potentials and those interested in the space market for future requirements in an international and interdisciplinary field of work in space and above all on Earth. The Academy for Continuing Education is combining Tech with Management and Leadership and trains you to be in a leading position.

Participants can start their learning journeys in fall or in spring!

### Key Facts

**Final Degree:** Executive Master of Business Administration (EMBA) in Management & Technology | Space Architecture

**ECTS Credits:** 92

**Duration:** 3 semesters + Master's Thesis

**Structure:** Part-time, blocked in modules

**Language:** English

**Tuition Fee:** EUR 22,900 plus EUR 1,990 Registration and administration fee (excl. travel and accommodation costs and additional costs for international modules)

**Admission Requirements:** First academic degree\*; 3 years of work experience; personal interview

**Locations:** TU Wien, surrounding area of Vienna; Online, Study trip Houston, USA

**Academic Director:** Dr.Ing. Sandra Häuplik-Meusburger

\*) Persons holding an equivalent educational and professional qualification may also be admitted.



**Dr.-Ing. Sandra Häuplik-Meusburger**  
Academic Director

» Space has always been a synonym for endless dreams and innovations, and also for cutting-edge innovations in science and engineering. Today, the experiences with the extra-terrestrial living and working, and planning conditions can be used as case studies to elaborate possible solutions for pressing terrestrial questions. The Executive MBA Space Architecture prepares for future requirements in work in space on and off Earth. «

## Your Key Learnings

- Know-how for the targeted management of your company or organization
- Strengthen your leadership personality
- Space architecture discipline and associated fields
- The latest development of space emerging technologies like 3D Manufacturing, Robotics, VR and AR
- Envision, develop and assess opportunities for Downstream and Upstream Applications
- Gain Know-how on Business management for the New Space Era
- Interact with international experts in the field and expand your network

## Highlights

- Internationally recognized experts as speakers from Austria and abroad
- Unique study trip with industry insights
- International colleagues with interesting backgrounds

Curriculum
<b>Management &amp; Technology Essentials   15 Days</b>
<ul style="list-style-type: none"><li>• Finance, Accounting &amp; Economics</li><li>• Managing Technologies</li><li>• Data Science &amp; Sustainability</li><li>• Strategy &amp; Marketing</li></ul>
<b>Leadership &amp; Organizational Behavior   9 Days</b>
<ul style="list-style-type: none"><li>• Leading Yourself</li><li>• Leading a Team</li><li>• Leading an Organization and Change</li></ul>
<b>Masterclass Space Architecture   15 Days</b>
<ul style="list-style-type: none"><li>• The Big Picture: Differences, Commons and Synergies</li><li>• Making most of what we have: Resources and Cycles</li><li>• Innovating the Future: Strategies and Approaches</li><li>• New Space: Synthesis and Best Practices</li></ul>
<b>Industry Insights   6 Days</b>
<ul style="list-style-type: none"><li>• Space Architecture Learning Journey Houston, Texas</li></ul>
<b>Master's Thesis</b>
<ul style="list-style-type: none"><li>• Bootcamp Scientific Writing</li></ul>

Every module can be booked separately.

## Target Group

We welcome people from all areas who want to combine science and technology with their creative work. This includes the design disciplines as well as the social, economic and political sciences and law. Experts who are already working in the space sector and want to take on a management or leadership position. Professionals outside the space sector who want to acquire the necessary expertise to enter the space sector with a sound business education.

## This MBA is the right choice

If you

- want to develop innovative, future-oriented concepts with international partners
- prepare for an international and interdisciplinary management role.
- want to develop your management and leadership skills in dealing with the unique and challenging conditions in the extreme environment

Faculty
<b>Management &amp; Technology Essentials</b> Dr. <b>Helmut Aigner</b> – FCI Fischer Consultants International Prof.Dr. <b>Tina Ambos</b> – University of Geneva Prof.Dr. <b>Anton Burger</b> – Catholic University of Eichstätt-Ingolstadt Mag. <b>Roland Gutmann</b> – accounting for funding e. U. Prof.Dr. <b>Karl-Heinz Leitner</b> – Austrian Institute of Technology <b>Klaus Nordhausen</b> , PhD – University of Jyväskylä Dr. <b>Ferry Stocker</b> – Lecturer
<b>Leadership &amp; Organizational Behavior</b> Prof.Dr. <b>Wolfgang Güttel</b> – TU Wien <b>Yanis Hamdali</b> , MSc – Europa-Universität Viadrina Frankfurt Dr. <b>Rupert Hasenzagl</b> – Management Consultant Dr. <b>Astrid Kleinhanns-Rollé</b> – TU Wien Prof.Dr. <b>Sabine Köszegi</b> – TU Wien
<b>Space Architecture</b> Dr. <b>Josef Aschbacher</b> – European Space Agency (ESA) <b>Jean-François Clervoy</b> – former CNES, ESA and NASA astronaut <b>Dieter Grebner</b> – Peak Technology GmbH/AUSTROSPACE Dr. <b>Gernot Grömer</b> – Austrian Space Forum <b>Christophe Lasseur</b> , PhD. – European Space Agency <b>Advenit Makaya</b> , PhD – European Space Agency <b>Piero Messina</b> – European Space Agency (ESA) <b>Maria Antonietta Perino</b> – Thales Alenia Space <b>Georgi Petrov</b> – Skidmore, Owings & Merrill <b>Dumitru-Dorin Prunariu</b> – Romanian Association for Space Technology and Industry – ROMSPACE <b>Brent Sherwood</b> – Blue Origin <b>Dr. Peter Weiss</b> – Spartan Space <b>Melodie Yashar</b> – Vice President ICON

These faculty members represent a selection of our lecturers. We reserve the right to make changes.

Contact our team in Vienna: [mba@tuwien.ac.at](mailto:mba@tuwien.ac.at)  
More details: [www.tuwien.at/ace](http://www.tuwien.at/ace)

