MASTER’S PROGRAMME

SpaceTech™
MASTER OF ENGINEERING (MEng)
IN SPACE SYSTEMS AND BUSINESS ENGINEERING

FACTS

- **Start of the programme**
  March 2015 (next start planned for March 2017)

- **Duration of the programme**
  3 semesters

- **Schedule**
  please see: spacetech.tugraz.at

- **Locations**
  Graz University of Technology (Austria)
  CNES Toulouse (France)
  ECSAT Harwell (United Kingdom)
  GSOC Oberpfaffenhofen and Lindau (Germany)
  ESRIN Frascati (Italy)
  ESTEC Noordwijk (The Netherlands)

- **Language of instruction**
  English

- **Degree**
  Master of Engineering (MEng)
in Space Systems and Business Engineering

- **Attendance Fee**
  € 34,000.- (no VAT) exclusive costs for travelling, accommodation and meals

- **Contact and Registration**
  Dipl.-Ing. Peter Schrotter
  Graz University of Technology
  Life Long Learning
  Email: peter.schrotter@tugraz.at
  Phone: +43 316 873-4935
  Fax: +43 316 873-104935

- **Detailed information**
  spacetech.tugraz.at
The space sector is a fast growing segment. It features newest research activities and offers the possibility to transfer newly developed technologies in practical use cases.

Space industries have, over the years, tended to become multinational in nature. Thus, a demand identified by both industry and agencies was the need to provide training to their prospective future systems engineers and programme managers to prepare them to work in or direct international teams. Industry in particular must have staff that is both highly qualified technically and which understand and can implement the modern business practices that are necessary to run a profitable business in today’s competitive environment.

The TU Graz master’s programme, SpaceTech, is a successor, with an expanded and improved curriculum, to the SpaceTech programme that was offered for thirteen years by the Delft University of Technology in the Netherlands. It contains all the topics that used to be taught in the predecessor programme, supplemented with new classes in project management and human space flight, and with the preparation of a master’s thesis.

**CONTENT AND FOCUS**

- Project Management
- Business Engineering
- Space Mission Analysis and Design
- Telecommunications
- Earth Observation
- Systems Engineering
- Navigation
- Human Space Flight
- Interpersonal Skills & Leadership Development
- Central Case Project (CCP)

A written master’s thesis is required to be defended in front of an exam committee.

**TARGET AUDIENCE/ PARTICIPANTS**

- Space experts, having at least five years of professional experience
- International mid-career professionals seeking top-level expertise in space systems and business engineering

**FUTURE FIELDS OF WORK**

After completion of the SpaceTech programme, the graduates will have acquired extensive knowledge in the areas of space systems and business engineering, learned how to apply this knowledge to solve real problems, and gained practical experience in individual and multicultural teamwork. This will have prepared them to perform a variety of leadership and management roles in the international aerospace field, whether in industry or in various space agencies.

**ADMISSION REQUIREMENTS**

- BSc or higher equivalent degree in engineering or natural science or similar academic qualification
- Proven relation to space sector and typically five years or more of experience in the field of space systems
- Proficiency in English

**TEACHING METHOD AND LANGUAGE**

The SpaceTech programme is designed with distance learning elements and presence sessions, which allows participation parallel to their job. It also features, as one important element, a Central Case Project (CCP) on which all students work, both separately and collectively. All lectures are provided in English.