

THE ISU FACULTY

The ISU Faculty is specialized in integrating the technical aspects of space into clear, interdisciplinary programs for students with a range of professional and educational backgrounds. There will also be additional guest lecturers of interest to the class.



ISU FACILITIES

ISU is the proud owner of a number of educational tools, including amongst others radio telescopes, a ground station and concurrent design facility. Those tools broaden the hands-on training possibilities for the participants of ISU's programs.

WANT TO STUDY FURTHER

pour lire "ISU also offers a Master of Space Studies, a Space Studies Program, a Commercial Space Program and a Southern Hemisphere Space Studies Program. Further information on ISU programs available at: www.isunet.edu



FEES

The fees for the Executive Space Course include the course fee, all course materials, lunches, a reception and two evening events.

EUR 3750 for ESC Strasbourg

USD 3750 for ESC Seattle

AUD 6000 for ESC Canberra

The above fees do not include potential tax.

A cancellation policy applies, further details under www.isunet.edu.

REGISTRATION

Class size is strictly limited. Register online (www.isunet.edu/ESC) to reserve your place on the next Executive Space Course.

DATES & LOCATIONS

ESC19 CANBERRA

18-22 November 2019

Industry House, Canberra, Australia

ESC20 STRASBOURG

20-24 April 2020

Central Campus, Strasbourg, France

ESC20 SEATTLE

26-30 October 2020

The Museum of Flight, Seattle, USA



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EXECUTIVE SPACE COURSE

STRASBOURG - SEATTLE - CANBERRA



ESC

EXECUTIVE SPACE COURSE

The International Space University (ISU), the world's leading university dedicated to the interdisciplinary study of space, is offering its acclaimed one-week Executive Space Course.

The Executive Space Course looks at current space and space-related activities and explains the technology, science, business case, regulatory environment and policies upon which each phase of a space program or mission is based.

Three sessions are organized, on ISU Central Campus in Strasbourg, France, at the Museum of Flight in Seattle, USA, and in the premises of the Australian Department of Industry, Innovation and Science in Canberra, Australia.

"Educational, fun and multidisciplinary, which challenged the "usual" understanding from my discipline. A very good point!"

Mari Edholm
Trainee / Advisor at the Norwegian Space Centre, ESC16

OBJECTIVES

The course, taught in English, aims to:

- ☛ Provide a neutral and global overview of space and space related subjects
- ☛ Explain core engineering and technical concepts in a simple manner
- ☛ Deliver a greater understanding of the challenges and opportunities of the space sector

☛ -Give an insight into the traditional space markets (telecom, navigation, earth observation...) as well as new space economy.

Many people think you need to be an engineer or a scientist to be a part of the space sector. This is not the case and the International Space University has a successful record of enabling access for people of all vocations.

WHAT WILL I GAIN?

Participants will leave the course with knowledge and skills enabling them to understand and communicate more effectively with their colleagues in other disciplines. They will develop their comprehension and expertise of space related activities and terminology.

METHODOLOGY

This intense course exposes participants to the interdisciplinary, international and intercultural learning environment of the International Space University.

The course is conducted through lectures and experiential learning with workshops and case studies. A challenging project encapsulating all major aspects learned during the week and applying concurrent engineering to a modern telecommunications satellite ends the week.

ISU ESC PROGRAM

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 to 10:00	Welcome and Overview of the Executive Space Course	Leaving the Planet: Propulsion and Space Transportation	Space Navigation & Applications	Space Telecommunication & Applications	New Space Overview
10:15 to 11:15	Why Space?	Space Markets & Future Trends	Tech Transfer & Export Control	Space Telecommunication and Navigation Law	Legal Implication of New Space
11:30 to 12:30	Organisation of the Space Sector and Outlook	Space Systems Design	Space - General Legal Framework	The Telecommunication Market	11:30 - 12:00 Closing Ceremony
12:30 to 14:00	Lunch	Lunch	Lunch	Lunch	Lunch (optional)
14:00 to 15:00	The Space Environment	Remote Sensing & Applications	Risk Management & Case Study	Intoduction to the ISU Concurrent Design	
15:15 to 16:15	International Cooperation in Space	Microgravity Application / EYAS Sat Workshop	Space Mission Design	Concurrent Design Workshop	
16:30 to 17:30	Orbits	Microgravity Application / EYAS Sat Workshop	Intellectual Property	Concurrent Design Workshop (continued)	
17:30 to 18:30	Welcome Reception			Presentation of Workshop Results	
		Professional visit: 18:00 - 19:15	Distinguished lecture: 18:30 - 19:00		
		Dinner: 20:00 -22:30	Dinner: 19:30 -22:30		

The above is a typical schedule. The actual content will vary, taking into account the venue of the course.



PARTICIPANT'S PROFILE

The Course is intended for two broad categories of professionals, those working in the space sector but who do not have a space background (e.g., those with expertise in finance, law, marketing, human resources, etc. or even engineering and science) or those currently working outside the space sector but who have an interest in developing a better understanding of it (e.g., entrepreneurs, government employees and politicians, etc.).

BENEFITS FOR THE COMPANY

- ☛ Help staff get a clearer picture of how the global space sector is structured
- ☛ Stay a step ahead and keep abreast of the latest space developments
- ☛ Generate business opportunities via other participants
- ☛ Ensure smooth exchanges and communication on space issues within the company. observation...) as well as new space economy.

BENEFITS FOR THE PARTICIPANT

- ☛ Lecturers available for additional information
- ☛ Several networking opportunities
- ☛ Use of ISU's facilities
- ☛ ISU network of more than 4 800 alumni from over 100 countries.

"The ESC is the only executive course on Earth for anyone interested in space related topics. An intense one-week boot camp to better understand the industry, mature ideas, and get inspired for the decades to come."

Jeremy Hornung
Consultant at aXoma Consultants, ESC16