

EPFL ENT-R ESC
PPH 335 Station 13
CH-1015 Lausanne

Phone : +4121 693 69 67
E-mail : espace@epfl.ch
Site web : espace.epfl.ch

Minor in Space Technologies

Registration Form

Deadline to register: end of the first semester of the master program

IMPORTANT: you must also register on IS ACADEMIA

STUDENT'S PERSONAL INFORMATION

Last name:

First name:

SCIPER:

E-mail address:

Section:

Current semester:

I register for the Minor in Space Technologies

Date of beginning (semester/year):

Please email this form to:

The administration of the EPFL Space Center (eSpace): candice.norhadian@epfl.ch

2019-2020 **Space Technologies**
Transdisciplinary Minor

Section de Génie électrique et électronique
Responsable : Candice Norhadian

Teacher, credits and period of the classes are subjected to change.
Classes that have been taken during bachelor or master can *NOT* be taken again in the minoir.

88 credits offered

Code	Courses	Lecturers	Programs	Credits	Language	Semester	Class wanted	Planned semester (1,2,3 or 4)	Credits
	General topic								
EE-582	Lessons learned from the space exploration	Toussaint	EL	2	EN	S			
EE-522	How to design for value for space applications	Ben Hamida	EL	2	EN	S			
	System Enginnering								
EE-584	Spacecraft design and system engineering	Richard	EL	4	EN	A			
	Orbital Mechanic & GNSS								
EE-585	Space mission design and operations	Nicollier	EL	2	EN	S			
ENV-542	Advanced satellite positioning	Botteron/Skaloud	SIE	4	EN	S			
ENV-340	Fundamentals of satellite positioning	Gilliéron	SIE	3	FR	A			
ENV-548	Sensor orientation	Skaloud	SIE	4	EN	A			
	Mechanical								
EE-580	Introduction to the design of mechanical space hardware	Mäusli	EL	2	FR	A			
ME-445	Aerodynamics	Mulleners	GM	3	EN	A			
ME-372	Finite element method	Gmür	GM	3	FR	A			
ME-373	Finite element modelling and simulation	Cugnoni	GM	3	FR	S			
ME-341	Heat and mass transfer	Thome/Cataldo	GM	4	EN	S			
ME-418	Integrated mechanical design	Schorderet A.	GM	3	FR	S			
	Avionic								
EE-583	Spacecraft avionics architectures	Storni	EL	2	EN	S			
ME-321	Control systems + TP	Jones + Salzmann	GM	4	EN	A			
MICRO-315	Microinformatics (for MT)	Mondada	MT	7	FR	S			
EE-310	Microprogrammed Embedded Systems	Atienza	EL	4	EN/FR	A			
	Material Science								
MSE-474	Materials selection	Michler J./Siegmann/Vaucher	MX	2	EN	S			
MSE-485	Tribology	Mischler S.	MX	2	EN	A			
	Astrophysics								
PHYS-209	Astrophysique I : introduction à l'astrophysique	Courbin	PH	3	FR	S			
PHYS-323	Astrophysique II : Bases physiques de l'astrophysique	Jablonka	PH	3	FR	A			
PHYS-401	Astrophysics III : Stellar and galactic dynamics	Kneib	PH	4	EN	A			
	Remote sensing								
ENV-540	Image processing for earth observation	De Morsier	SIE	3	EN	A			
	Communication								
EE-345	Radiation and antennas	Mosig/Skrivervik	EL	3	FR	A			
	Projet								
EE-589	Projet in space technology	Various teacher	EL	12	EN/FR	A ou S			

Legend :

Highly recommended classes

A = autumn, S = spring

1 semestre has 14 weeks

Total credits taken