

Minor in Systems Engineering: Registration Form

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

STUDENT'S PERSONAL INFORMATION

Last name:

First name:

SCIPER:

E-mail address:

Section:

Current semester:

I register for the Minor in Systems Engineering.

Date of beginning (semester/year):

Place and date:

Signature:

1. **Sign and date** your registration form. Convert it to **pdf-format**.
2. Send the registration form (together with any accompanying pdf-files of course books and syllabi) **via email to the director of the EPFL Systems Engineering Minor** (thomas.weber@epfl.ch)
3. Once you receive the approval, **forward it together with the registration form to :**
 - **the secretariat of your section**
 - **the secretariat of the MTE section**

STUDY PLAN 2026 - 2027
INTERDISCIPLINARY MINOR in SYSTEMS ENGINEERING
Minor Advisor: prof. Th. Weber

**The minor must be done during the Master studies
and requires to obtain 30 credits**

Legend: A = Autumn, S = Spring / 1 semester = 14 weeks

Lecturers, credits and course periods are subject to change

Courses already taken within the frame of the bachelor or master cannot be taken a second time in a minor

2026-2027

Systems Engineering
Interdisciplinary Minor

Management of Technology Section
Minor Advisor : Prof. Th. Weber

validated by the EPFL presidency June 8 2026

Lecturers, credits and course periods are subject to change

Courses already taken within the frame of the bachelor or master cannot be taken a second time in a minor **85 credits**

CODE	Courses	Lecturers	Course catalogue	Nb of credits	Nb of places	Semester	
						AUT	PRI
Group"Minor"				30			
CORE COURSES							
MGT-484	Applied probability & stochastic processes	Cristi	MTE	4			S
COM-502	Dynamical system theory for engineers 1)	Thiran P.	SC	6			S
MATH-265	Introduction to optimization and operations research	Bierlaire	GC	4		A	
MICRO-455	Machine learning I	Billard	MT	4		A	
DOMAIN-SPECIFIC COURSES							
	Industrial engineering						
	Operations research						
MGT-431	Information: strategy & economics	Weber Th.	MTE	4		A	
MGT-483	Optimal decision making	Kuhn D.	MTE	4			S
MGT-526	Supply chain management	Seifert	MTE	4	60		S
	Space systems engineering						
ENG-411	Concurrent engineering of space missions	vacat.	EL	2			S
EE-584	Spacecraft design and system engineering	David E./Feusier	EL	4		A	
	Energy and process systems engineering						
ME-452	Industrial process and energy systems engineering	Maréchal/Orengo/Lepour	GM	7		A	
	Systems biology						
BIO-341	Dynamical systems in biology	Naef/Shillcock	SV	4		A	
BIO-463	Genomics and bioinformatics	Bitbol/Rougemont/Waszak	SV	4			S
ChE-411	Principles and applications of systems biology	Hatzimanikatis	CGC	3		A	
	Network systems engineering						
MGT-416	Causal inference	Kiyavash	MTE	4			S
COM-512	Networks out of c (pas donné en 2026-27) 1)	Grossglauser/Thiran P.	SC	6			S
	Control engineering						
ME-524	Advanced control systems	Karimi	GM	3			S
ME-523	Commande non linéaire	Müllhaupt	GM	3		A	
ME-425	Model predictive control	Jones	GM	4		A	
ME-421	System identification	Karimi	GM	3			S
	Project						
ENG-422	Optional project in Systems engineering	Various lecturers	--	8		A	S

TOTAL CREDITS

Remarks:

1) Given every 2 years

Legend :

A = autumn, S = spring

1 semester = 14 weeks