ETHZ Cyber Security courses (version 17.03.2021)

It is your responsibility to check, when it is time to register, the existence of courses and the number of credits on the ETHZ website.

Breadth requirement [1] (Groupe 1)							
ETHZ courses		ECTS	Semester	Equivalent EPFL courses		ECTS	Semester
263-4500-00L	Advanced Algorithms	9	Fall	CS-450	Advanced algorithms	7	Spring
252-0535-00L	Advanced Machine Learning	10	Fall	CS-433	Machine learning	7	Fall

[1] Students can choose to take either the ETHZ course or the equivalent EPFL course, but they can not validate both among the 30 ECTS 'breadth requirement'

Depth requirement [2] (Groupe 2)							
ETHZ courses		ECTS	Semester	Equivalent EPFL courses			
252-0811-00L	Applied Security Laboratory [3]	8	Fall				
227-0579-00L	Hardware Security	6	Fall				
263-0009-00L	Information Security Lab [3]	8	Fall				
263-4640-00L	Network Security	8	Fall				
252-0463-00L	Security Engineering	7	Fall				
252-1411-00L	Security of Wireless Networks	6	Fall				
252-1414-00L	System Security	7	Fall				
263-4660-00L	Applied Cryptography	8	Spring				
252-0407-00L	Cryptography Foundations (not given in Spring 2021)	7	Spring				
252-0408-00L	Cryptographic Protocols	6	Spring	COM-501	Advanced cryptography	4	Spring
263-4656-00L	Digital Signatures	5	Spring				
263-4600-00L	Formal Methods for Information Security	5	Spring				
263-2925-00L	Program Analysis for System Security and Reliability	7	Spring				

[2] When there is an equivalent EPFL course, students can choose to take either the ETHZ course or the equivalent EPFL course, but they can not validate both among the 30 ECTS 'depth requirement'

[3] Students can only take one lab, either Applied Security Laboratory or Information Security Lab.

Other Fall and Spring ETHZ courses		ECTS	
	Semester project	12	Fall and Spring
	SHS	3-6	Fall and Spring
	Other optional courses	2-18	Fall and Spring