

Plan d'études

Mineur : Cyber security 2025-26

Depth courses

Cours			Session Examen	Examen	Crédits
Lang.	Code	Sect. Enseignants			
E	Advanced cryptography				
E	COM-501	SC Vaudenay	Eté	Ecrit	6
E	Advanced topics on privacy enhancing technologies				
E	CS-523	IN Vacat	Eté	Ecrit	8
E	Computer security and privacy				
E	COM-301	SC Bourgeat Stadler	Hiv	Ecrit	6
E	Cryptography and security				
E	COM-401	SC Vaudenay	Hiv	Ecrit	8
E	Decentralized systems engineering				
E	CS-438	IN Borsò-Tan Ford	Hiv	Ecrit	8
E	Formal verification				
E	CS-550	IN Kuncak	Hiv	Pendant le semestre	8
E	Foundations of probabilistic proofs				
E	CS-459	IN Chiesa	Hiv	Pendant le semestre	6
E	Information security and privacy				
E	COM-402	IN Payer	Hiv	Ecrit	8
E	Interactive theorem proving				
E	CS-428	IN Barrière Pit-Claudel	Eté	Pendant le semestre	8
E	Introduction to quantum cryptography				
E	COM-440	IN Vidick	Hiv	Ecrit	6
E	Number theory II.d - Cryptography				
E	MATH-489	MA	Eté	Ecrit	5
E	Secure hardware design				
E	CS-447	IN	Eté	Pendant le semestre	6
E	Software security				
E	CS-412	IN Payer	Eté	Ecrit	8
E	Student seminar: security protocols and applications				
E	COM-506	SC Vaudenay	Eté	Pendant le semestre	3
E	Topics in software security				
E	CS-510	IN	Hiv	Pendant le semestre	3

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Optional courses

Cours			Session Examen	Examen	Crédits
Lang.	Code	Sect. Enseignants			
E	Advanced networks				
E	COM-407	SC Nikolopoulos	Hiv	Ecrit	8
E	Advanced operating systems				
E	CS-477	IN Kashyap	Hiv	Ecrit	6

<i>E</i>	Algebra <i>MATH-310</i>	<i>MA</i>	<i>Lachowska</i>	<i>Hiv</i>	<i>Ecrit</i>	<i>4</i>
<i>E</i>	Algorithms I <i>CS-250</i>	<i>IN</i>	<i>Chiesa</i> <i>Svensson</i>	<i>Eté</i>	<i>Ecrit</i>	<i>8</i>
<i>E</i>	Computer systems <i>CS-202</i>	<i>IN</i>	<i>Argyraki</i> <i>Chappelier</i> <i>Kashyap</i>	<i>Eté</i>	<i>Ecrit</i>	<i>8</i>
<i>E</i>	Data-intensive systems <i>CS-300</i>	<i>IN</i>	<i>Ailamaki</i> <i>Kashyap</i>	<i>Eté</i>	<i>Ecrit</i>	<i>6</i>
<i>E</i>	Software construction <i>CS-214</i>	<i>IN</i>	<i>Kuncak</i> <i>Odersky</i> <i>Pit-Claudel</i>	<i>Hiv</i>	<i>Ecrit</i>	<i>8</i>