

**Option : Cyber Security and Defense (Cysd)**

Code UE	Intitulé de l'Unité (UE) et des Eléments d'Enseignement (EE)	V.H		
		Cours Intégré	AT-Pr	ECTS
<b>SEC5.1</b>	<b>Human and Economic Aspects in Cybersecurity</b>	<b>42,0</b>		<b>3,0</b>
	Strategic Intelligence	21,0		
	Ethical and Legal Issues	21,0		
<b>SEC5.2</b>	<b>Prevention and protection strategies in Cybersecurity</b>	<b>84,0</b>		<b>4,0</b>
	Security of mobile and wireless networks	18,0		
	Security protocols analysis and validation	15,0		
	Cyber infrastructures protection	15,0		
	Techniques for cyber defense	15,0		
	Labs	21,0		
<b>SEC5.3</b>	<b>Monitoring, auditing and attacks detection</b>	<b>63,0</b>		<b>3,0</b>
	Security assurance	18,0		
	Intrusion Detection	18,0		
	Security Standardization	12,0		
	Labs	15,0		
<b>SEC5.4</b>	<b>Cyber Crimes defense and investigation</b>	<b>84,0</b>		<b>3,0</b>
	Computer, Networks and Mobile Forensics	18,0		
	Ethical Hacking and Penetration testing	15,0		
	Large scale and critical Infrastructures and applications security	15,0		
	Incident Response, Disaster Recovery and Business Continuity	15,0		
	Labs	21,0		
<b>SEM/PROJ</b>	<b>Séminaires de Spécialisation</b>	<b>21,0</b>		<b>1,0</b>
	<b>Projet tutoré</b>	<b>42,0</b>	<b>84,0</b>	<b>8,0</b>
	<b>Atelier communication avec les entreprises</b>	<b>30,0</b>		<b>2,0</b>
	<b>S/TOTAL</b>	<b>366,0</b>	<b>84,0</b>	<b>30,0</b>
	<b>TOTAL</b>	<b>450,0</b>		