

SIINC906	Introduction to Security	CM 12h	TD 16h	HNE 22h
----------	--------------------------	-----------	-----------	------------

Cours proposé dans la mineure / *Course offered in the minor* :

AL	CyberSec	IA-ID	IHM	IoT-CPS	Ubinet	IF	M1 EIT DSC	M2 EIT DSC	M2 Fintech
					x		x	x	x

Responsable / *In charge of* : **Boudaoud Karima** (Karima.BOUDAOUUD@univ-cotedazur.fr)

Résumé / *Abstract* :

This course is an introduction to several security aspects: Cybersecurity, Cryptography and security of several technologies and environments. It starts with an introduction to Cybersecurity and main security concepts and principles. Then, it covers Android Security, Cloud Security, Web Security and SecDevOps. The course session includes lectures and Labs.

Prérequis / *Prerequisite* :

- Java

Objectifs / *Objectives* :

- Understand the main aspects regarding Cybersecurity
- Understand the main security properties
- Learn how to design secure mobile applications
- Learn how to secure Web and Cloud environments
- Have an overview about SecDevOps

Contenu / *Contents* :

- Legal and Ethical aspects regarding Cybersecurity
- Main Cybersecurity concepts
- Security properties and Cryptography
- Android Security
- Web Security
- Cloud Security
- SevDevOps

Références / *References* :

Acquis / *Knowledge* :

- Legal and ethical aspects regarding Cybersecurity
- Basics on Android security
- Basics on Web Security
- Basics on Cloud Security

Evaluation / *Assessment* :

- Exam: 50%
- Lab: 50%