

SE507 μ Hacking Password Hashes with Rainbow Tables

Competencies List

This document provides the list of basic and advanced competencies, with a precise description, that can be acquired through the *SE507 μ Hacking Password Hashes with Rainbow Tables* micro-course.

Basic Competencies

Basic competencies are specific to a teaching unit or activity and a 100% mastery level for all of them is required to succeed the teaching unit or activity (10/20).

Code	The learner is able to...
CS007	understand why it is important to store passwords carefully.
CS210	understand how passwords can be stored securely in databases.
CS205	write an application that stores passwords securely.
CS502	understand how rainbow table can be used to find a password given the hashed passwords database.

Advanced Competencies

Advanced competencies could be transversal to several teaching units or activities and increasing the mastery level of any of them is global to all the teaching units and activities where it is declared.

Code	The learner is able to...
CS901	understand how passwords database can be attacked.
CS109	understand what is a cryptographic hash function.
CS501	Write a program that tries to guess the password corresponding to a hash value given the hashed passwords database.