

## *DB701 $\mu$ Introduction to Blockchain with Python*

### Competencies List

This document provides the list of basic and advanced competencies, with a precise description, that can be acquired through the *DB701 $\mu$  Introduction to Blockchain with Python* 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...
BC101	understand the notions of block, blockchain and mining.
BC102	understand blockchain mechanisms and operations.
BC103	understand the Proof-of-Work (PoW) consensus algorithm.
BC501	write a simple blockchain with Python from scratch.

### 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...
BC901	discuss about blockchain applications and explain briefly how they work.
PP501	understand and use basic cryptographic tools with Python.
CS103	write a program that encrypts data with the suitable libraries.