

IT301 μ From IoT Devices to the Cloud with the IBM Node-RED Tool

Competencies List

This document provides the list of basic and advanced competencies, with a precise description, that can be acquired through the *IT301 μ From IoT Devices to the Cloud with the IBM Node-RED Tool* 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...
IT101	understand the event-driven programming model.
IT102	write and launch a program with the Node-RED tool.
IT301	design a dashboard showing the value of a hardware sensor.
IT501	debug and test a Node-RED program.

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...
WP501	define, launch and test an HTTP server.
WP502	test an HTTP API server with Postman.
IT121	define JavaScript functions blocks to transform data.