

MicroPython & Edge AI Hands-on Course Prerequisites

Prerequisite	Details
Install Thonny IDE	Thonny IDE supports MicroPython out of the box. Other MicroPython-compatible IDEs can also be used, but for simplicity we go with Thonny. You can download it from here: https://thonny.org/
MicroPython for PSOC™ 6	Follow the first part (stop at “Device Setup”) of these instructions to install Python and the required packages: https://ifx-micropython.readthedocs.io/en/latest/psoc6/installation.html#installing-micropython
GnuWin32 Make	https://gnuwin32.sourceforge.net/downlinks/make.php
Git command line client	A git command line client from here: https://git-scm.com/
Install ModusToolbox™ Setup version 1.5 or later	The easiest way to install MCU Software tools is through ModusToolbox™ Setup. Download and install: https://softwaretools.infineon.com/tools/com.ifx.tb.tool.modustoolboxsetup
Install ModusToolbox™ Tools Package version 3.7.0	Open ModusToolbox™ Setup, find ModusToolbox™ Tools Package 3.7.0 in the base installations section, select it to download and install.
Install DEEPCRAFT™ Model Converter version 5.8.4154	Open ModusToolbox™ Setup, find DEEPCRAFT™ Model Converter 5.8.4154 in the additional packages section, select it to download and install. Model Converter will install dependencies like ModusToolbox™ Machine Learning Pack.
Install DEEPCRAFT™ Studio version 5.8.4292 Note that Studio runs only on Windows	Open ModusToolbox™ Setup, find DEEPCRAFT™ Studio 5.8.4292 in the additional packages section, select it to download and install.
Install Tera Term	Download and install Tera Term (terminal emulator) https://teratermproject.github.io/index-en.html

Important Note: Even though ModusToolbox™ and our MicroPython toolchain are compatible with MacOS and Linux as well, DEEPCRAFT™ Studio can currently only be used in Windows, so at least one Windows client per team is required.