

EMP Note: Install your Integrated Development Environment.

You will need 4 elements to start coding for the EMP Course:

- I. A Compiler Chain.
- II. An IDE (Integrated Development Environment).
- III. A driver for the Hard-ware
- IV. A headerfile (*.h), defining the peripherals of the microcontroller.

I. You will need a cross-compiler, compiling C code to ARM instructions. A good choice would be the ARM GCC, which you can download from: <https://launchpad.net/gcc-arm-embedded/> .
I used the: [gcc-arm-none-eabi-4_8-2013q4-20131204-win32.exe](#) .

II. It is possible to complete this course with the compiler, a text editor and a flash application. However, you may benefit from using the CoIDE, which you can download from: www.coocox.org .



III. In order to communicate to the kit via USB, you will need a FTDI driver. You can get the driver from BlackBoard (Course Documents/Tools/FTDI).
Get it, unpack it, connect the hardware and update the driver.

IV. To avoid having to copy all the information from the datasheet into your soft-ware, use the premade lm3s6965.h file at BlackBoard (Course Documents/Code). Save it to a directory of your own choice. Just remember the path for later use.

Good luck,
Morten

