# Courses on NXP i.MX SoCs

ACSYS offers a large set of courses on NXP processors.
Each course details both hardware and software implementation of these processors.
Examples are provided to explain low level programming, which is needed to understand the boot program.
For on-site trainings, an additional day covering Linux porting or Windows Embedded porting may be appended to i.MX processor courses.

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| FA4 | i.MX6 Implementation | 5 days | **Inquiry** | FA5 | i.MX8m Implementation | 5 days | **Inquiry** |
| FA6 | i.MX8 Max Implementation | 5 days | **Inquiry** | FK1 | FQ1 | 4 days | **Inquiry** |
| FK2 | Kinetis KL28Z/KV10 Implementation | 4 days | **Inquiry** | FQ2 | QorIQ Implementation | 5 days | **Inquiry** |
| NP1 | LPC21XX/LPC2XXX microcontroller implementation | 4 days | **Inquiry** | PT3 | FreeRTOS Real Time Programming | 3 days | **Inquiry** |

Note this course can only be provided to NXP-approved customers, the SoC Reference Manual being still only available under a Non Disclosure Agreement. Contact us at training@ac6-training.com for any further details.

Kinetis MK1x Implementation 5 days

Kinetis L0/L1x Cortex M0+ implementation 5 days

LPC11Cxx/LPC12Cxx microcontroller implementation 4 days

Kinetis K7x/K8x Cortex M4 implementation 5 days

FreeRTOS Real Time Programming

FreeRTOS is a lightweight, real-time operating system (RTOS) designed to efficiently manage tasks in embedded applications. The Real Time Programming with FreeRTOS course delves into the design and implementation of real-time applications using FreeRTOS. Covering essential topics such as task scheduling, synchronization, and memory management, this course equips professionals with the skills necessary to develop reliable and efficient real-time systems. Ideal for developers with a basic understanding of real-time systems and programming concepts, it provides a solid foundation in FreeRTOS development, enabling participants to design, implement, and debug robust embedded applications.