



Programmation et conception temps réel

Creating systems that work in real-time is a specific challenge. That's why **ac6-training** provides a range of courses to explain you all the specific techniques and tools to use in this context.

Systems are more and more critical and subject to safety constraints. This training introduces the main concepts and systems applicable to safety-critical systems with QoS. **Multi-processor with QoS** 5 days **Inquiry**

Systems are more and more powerful and are now using multicore processors causing specific problems. Embedded real-time programming of multicore processors in the Automotive sector, understanding how to effectively solve problems using the primitives provided by the underlying Operating System. **RTOS for multicore** 4 days **Inquiry**

RTOS must be validated before and embedded code especially targeting multicore processors cannot be effectively processed, understanding how to effectively solve problems using the primitives provided by the underlying OS and Operating system. **RTOS for multicore** 4 days **Inquiry**

RTOS course designed to efficiently manage tasks in embedded applications. This Real-time OS covering the essential topics such as task scheduling, synchronization and memory management. This course equips professionals with a deep understanding of real-time systems and programming concepts. It provides a solid foundation in real-time OS development, enabling participants to design, implement, and debug robust embedded applications. **RTOS development** 5 days **Inquiry**

tool, configure Device Tree and expand OS course explore the ecosystem for embedded systems build system and West memory analysis, user mode, threading, synchronization, queues, Zbus, and interrupts. **RTOS development** 5 days **Inquiry**

Software Architecture with ACPI Embedded systems are increasingly complex and therefore can no longer be directly designed using existing schemes. Embedded systems architecture to control plan other development and integration appropriately. This course will help create these phases efficiently and avoid common pitfalls. It will explain why software architecture is needed and how architecture processes can be implemented in an efficient manner. **RTOS development** 5 days **Inquiry**

RTOS course introduces the real-time ecosystem, describe the most used IoT Edge to Cloud Protocols (MQTT, CoAP, LoRaWAN, NB-IoT, etc.) and explore particularly network focused course explains how security provisions in each layer of the physical device communication system and network focused course explains how security provisions in each layer of the network. **RTOS development** 5 days **Inquiry**

RTOS course describes the Texas Instruments ARM Cortex M4F implementation and TI-RTOS real-time programming. **RTOS development** 4 days **Inquiry**