

Safety and security

Embedded security

Embedded security is the practice of protecting embedded systems from cyber threats. These systems are found in a wide range of devices, including smartphones, automobiles, and medical equipment, and they are often used in critical applications. Ensuring the security of embedded systems is important to prevent unauthorized access or manipulation of the system and to protect the confidentiality, integrity, and availability of the system and its data. There are various approaches to securing embedded systems, including the use of secure processors and specialized security hardware, the implementation of security protocols, and the use of secure coding practices. It is also important to have a system in place for distributing updates and patches to address newly discovered vulnerabilities. At AC6 Training, we offer a range of courses on embedded security, including courses on secure coding practices, hardware security, and the use of secure processors. Our courses are designed to provide professionals with the knowledge and skills they need to design and implement secure embedded systems.

C1 Effective MISRA C MISRA C:2023, the latest version of the MISRA C standard, has been designed and implemented and successfully strengthened the skills and competences of teams involved in the design, development and verification of critical embedded software systems. This course provides essential standards in safety-critical systems across various industries, and the training emphasizes key aspects such as integration planning, execution and management of MISRA compliance, and enables senior managers with key aspects required to take informed decisions. By enhancing training is invaluable for project leaders seeking to streamline MISRA integration costs and improve organizational efficiency.

Embedded Security Embedded Security covers industry standards such as ISO/SAE 21434. This course provides an introduction to a full range of security features. Students will learn about secure software development methodologies, security testing with hardware partitioning and communication protocols. Additionally, it provides an overview of security best practices for devices and systems. **1 day Inquiry**

Advanced Embedded Systems Security Advanced Embedded Systems Security provides an in-depth understanding of the compliance pathways and discover practical strategies to secure embedded systems throughout their lifecycle. The course also highlights market-ready tools and solutions to ensure adherence to the regulation while enhancing product resilience. **3 days Inquiry**

Secure System Software and Consideration Secure System Software and Consideration, Apprehend the context and the use of hypervisors and system virtualization and discover security checks and options. **1 day Inquiry**

Advanced Embedded Systems Security Advanced Embedded Systems Security course with a special price when both consecutive sessions are booked at once. **3 days Inquiry**

ARMv8-M based systems ARMv8-M based systems covers latest security standards and best practices for ARMv8-M architecture and its security features. It covers topics such as secure boot, secure update and data protection. The objective is to equip attendees with the necessary knowledge and skills to develop secure and non-secure ARMv8-M based systems. **3 days Inquiry**

Advanced Embedded Linux Security Advanced Embedded Linux Security Embedded systems are more and more critical and subject to safety constraints. This training introduces the main concepts and standards applicable to safety-critical systems. **3 days Inquiry**