



## Secure Embedded Systems

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. **Effective MISRA C**, MISRA C:2023, the latest version of the MISRA standard, which includes guidelines for safety and security supporting all established versions of the C standard. This course has been designed to help you understand the requirements and successfully address the compliance of teams involved in the design, development and verification of critical embedded software systems and development and cyber security professionals with an in-depth understanding of this course provides embedded system practical strategies for securing embedded systems throughout their lifecycle. The course also highlights market-ready tools and solutions to ensure adherence to the regulator while enhancing productivity. **Introduction to Embedded Security** and covers industry standards such as ISO/SAE 21434, IEC 62443, and provides an introduction to embedded security. It covers secure coding practices for C/C++ and introduces the "BSI" programming language with its built-in hardware architecture and communication protocols. Additionally, it provides an overview of security best practices for IoT and smart devices. **Introduction to Embedded Security** training introduces the main concepts and challenges for project managers to make informed decisions. By enhancing managerial awareness and skills, the training highlights the importance of negotiation and risk management and assesses the impact of MISRA compliance. The training equips managers with the knowledge to make informed decisions, by enhancing managerial awareness and skills, ensuring better project outcomes and integration and enhance organizational efficiency. **Introduction to Embedded Security** is a course for C/C++ developers and system integrators who need to understand how to manipulate files and directories securely, protect programs from malicious user input, and understand embedded system hardware features for security.

Attendees will also learn about a secure software development methodology and framework, gain an understanding of the context and use of hypervisors and system virtualization, and become familiar with security checks and tools.

These topics are essential for the development of secure systems software and are applicable to a wide range of applications. **Introduction to Embedded Security** is a course for C/C++ developers and system integrators who need to understand how to manipulate files and directories securely, protect programs from malicious user input, and understand embedded system hardware features for security. **Introduction to Embedded Security** is a course for C/C++ developers and system integrators who need to understand how to manipulate files and directories securely, protect programs from malicious user input, and understand embedded system hardware features for security. **Introduction to Embedded Security** is a course for C/C++ developers and system integrators who need to understand how to manipulate files and directories securely, protect programs from malicious user input, and understand embedded system hardware features for security. **Introduction to Embedded Security** is a course for C/C++ developers and system integrators who need to understand how to manipulate files and directories securely, protect programs from malicious user input, and understand embedded system hardware features for security.