

# Certificate in Secure Software Development (Level 9)



**Secure Software Development Special Purpose Award is designed to give Software Professionals the skills they need to securely design, develop and assess software systems.**

Building on existing software development skills this certificate will provide the learner with cyber security tools and techniques to enable them to play an essential role in ensuring the software they develop or assess is secure by design. Mapped closely to a combination of the work roles 'Software Developer' and 'Secure Software Assessor' as described in the NIST NICE framework, the modules are designed to enhance existing software development knowledge with the cyber security specific knowledge required for the roles.

## Who Should Apply

Are you interested in enhancing your software development skills with a broader awareness of security? Do you hold an honours degree in Computer Science, Engineering or in a cognate discipline? If so, this certificate is the right choice for you

## Programme Structure

The programme places significant emphasis on student learning by doing. It adopts a practical, hands-on, approach to learning, where all modules are fully assessed using continuous assessment methods.

There are no formal end of semester written examinations and this ensures that you will learn by doing from the first module to the last.

The 20-credit programme is delivered fully online over 2 semesters with registration available for the full certificate or individual modules as desired.

| Semester 1                       | Credit |
|----------------------------------|--------|
| Cyber security Standards & Risks | 5      |
| Secure Software Development      | 5      |
| Semester 2                       | Credit |
| Security Assurance               | 5      |
| Practical Cryptography           | 5      |

**Course Fees:**  
€2,500

**Per Module:**  
€625