



**QQI**

Quality and Qualifications Ireland  
Dearbhú Cáilíochta agus Cáilíochtaí Éireann

## Certificate Specification NFQ Level 5

### Security Systems Technology 5M2109

#### 1. Certificate Details

<b>Title</b>	Security Systems Technology
<b>Teideal as Gaeilge</b>	Bainistíocht Córas Slándála
<b>Award Type</b>	Major
<b>Code</b>	5M2109
<b>Level</b>	5
<b>Credit Value</b>	120
<b>Purpose</b>	The purpose of this award is to enable the learner to acquire the knowledge, skill and competence to prepare and install a range of security technology equipment independently, and under supervision or to progress to further or higher education or training.
<b>Statements of Knowledge, Skill and Competence</b>	Learners will be able to:
<b>Knowledge</b>	
<i>Breadth</i>	Demonstrate a broad range of knowledge related to preparation, construction and application of electronic components, relevant to the security systems technology sector.
<i>Kind</i>	Demonstrate knowledge of theoretical concepts related to security systems technology in the context of design, installation and maintenance with significant detail, where required.
<b>Know How &amp; Skill</b>	
<i>Range</i>	Demonstrate a broad range of workshop and site procedures currently utilised in the security systems technology sector to

include safe use of hand tools, power tools and test equipment.

*Selectivity* Select appropriate design methodologies and system types, in relation to stakeholders needs.

*Context* Apply knowledge and skills within a workshop and site environment, in a variety of contexts relevant to the security system sector.

## **Competence**

*Role* Exercise some initiative in the security system environment, while recognising the importance of teamwork and cooperation with all stakeholders.

*Learning to Learn* Demonstrate an ability to direct and evaluate personal learning initiatives.

*Insight* Reflect on personal values and display an insight into the role of the security system sector in business and the broader community.

The learning outcomes associated with this award are outlined in the associated Component Specifications.

## **Access**

To access programmes leading to this award the learner should have reached the standards of knowledge, skill and competence associated with the preceding level of the National Framework of Qualifications. This may have been achieved through a formal qualification or through relevant life and work experience.

## **Transfer**

Achievement of this award will enable the learner to transfer to other appropriate programmes leading to awards at the same level of the National Framework of Qualifications.

## **Progression**

Achievement of this award will enable the learner to progress to other appropriate programmes leading to awards at the next or higher levels of the National Framework of Qualifications.

## **Progression Awards**

Learners who successfully complete this award may progress to a range of different awards.

## **Grading**

Pass

Merit

Distinction

The grade achieved will be determined by the grades achieved on the components

## **2. Certificate Requirements**

**The total credit value required for this certificate is 120. This will be achieved by completing:**

<b>Award Code</b>	<b>Title</b>	<b>Level</b>	<b>Credit Value</b>
<b>All of the following component(s)</b>			
5N1606	Electronics	5	15
5N1772	Cable and Pre-Installation Techniques	5	15
5N1771	Closed Circuit Television and Lighting	5	15
5N1776	Intruder Alarm and Access Control	5	15
5N1794	Safety and Health at Work	5	15
<b>A minimum credit value of 15 from the following components</b>			
5N1356	Work Experience	5	15
5N1433	Work Practice	5	15
<b>A minimum credit value of 15 from the following components</b>			
5N0690	Communications	5	15
5N1367	Teamworking	5	15
5N0972	Customer Service	5	15
5N1390	Personal Effectiveness	5	15
<b>A minimum credit value of 15 from the following components</b>			
5N1437	Control Systems	5	15
5N1833	Mathematics	5	15
5N1774	Electronics - Digital	5	15
5N1785	Security Industry Procedures	5	15
5N1607	Engineering Drawing	5	15
5N1418	Start your Own Business	5	15

### **3. Supporting Documentation**

1. Private Security Regulations 2005, 2006, 2007, 2009 and associated statutory instruments

### **4. Specific Validation Requirements**

There are no specific validation requirements for this award

### **5. Europass Certificate Supplement**

The Europass Certificate Supplement for this award can be accessed at: [www.qqi.ie](http://www.qqi.ie).

### **6. FET Award Standards**

QQI award standards are determined within the National Framework of Qualifications (NFQ), <http://www.nfq-qqi.com>. QQI determines standards for the education and training awards that it makes itself and that are made by providers to whom it has delegated authority to

make an award. Providers offering programmes leading to QQI awards **must** have their programme(s) validated in accordance with current validation policy (see [www.qqi.ie](http://www.qqi.ie)).

Award standards are designed to be consistent with the NFQ's award classes i.e. major, special purpose, supplemental and minor awards. They are expressed in terms of **learning outcomes** i.e. concise statements of what the learner is expected to know or be able to do in order to achieve a particular award. Learning outcomes for QQI awards are contained within the associated specifications:

AWARD CLASS	STANDARDS	AWARDS
Major Award	Certificate Specification	Certificate (Levels 1 to 5) Advanced Certificate (Level 6)
Supplemental Award	Supplemental Specification	Supplemental Certificate (Level 3 to 6)
Special Purpose	Specific Purpose Specification	Specific Purpose Certificate (Levels 3 to 6)
Minor Award	Component Specification	Component Certificate (Levels 1 to 6)

Award standards are thresholds, they describe standards of knowledge, skill or competence to be acquired, and where appropriate, demonstrated, by a learner before an award may be made.

Award standards will be reviewed from time to time as necessary. Minor changes may be made by the QQI executive outside the review cycle where necessary. Changes to standards are published on QQI's website. Providers with validated programmes and providers with delegated authority to make awards are responsible for monitoring relevant standards and making necessary responses to changes.

## 7. FET Credit

Every FET certificate and component specification includes an FET credit value (Table 1). FET credit is quantified in multiples of 5 FET credits (up to 50 hours of learner effort). Learner effort is based on the time taken by typical learners at the level of the award to achieve the learning outcomes for the award. It includes all learning time involved including: guided learning hours, self-directed learning and assessment.

**Table 1: FET Credit Values**

NFQ Level	Major Awards Credit Values	Default Credit Values Minor Awards	Other Permitted Minor Award Credit Values	Special Purpose and Supplemental Award Credit Value Ranges
1	20	5	10	
2	30	5	10	
3	60	10	5,20	>5 and<60
4	90	10	5,15,20	>5 and<90
5	120	15	5,10,30	>5 and <120
6	120	15	5,10,30	>5 and <120

## Guide to Level

Learning outcomes at this level include a broad range of skills that require some theoretical understanding. The outcomes may relate to engaging in a specific activity, with the capacity to use the instruments and techniques relating to an occupation. They are associated with work being undertaken independently, subject to general direction.

<b>Strand</b>	<b>Sub-strand</b>	<b>Nature of learning</b>
Knowledge	Breadth	Broad range of knowledge
	Kind	Some theoretical concepts and abstract thinking, with significant depth in some areas. Some underpinning theory
Know How & Skill	Range	Demonstrate a broad range of specialised skills and tools
	Selectivity	Evaluate and use information to plan and develop investigative strategies and to determine solutions to varied unfamiliar problems
Competence	Context	Act in a range of varied and specific contexts, taking responsibility for the nature and quality of outputs; identify and apply skill and knowledge to a wide variety of contexts
	Role	Exercise some initiative and independence in carrying out defined activities; join and function within multiple, complex and heterogeneous groups
	Learning to Learn	Learn to take responsibility for own learning within a managed environment
	Insight	Assume full responsibility for consistency of self- understanding and behaviour

*Extract from 'Determinations for the Outline National Framework of Qualifications': NQAI*