

## Apprenticeship Training Programme

### **Phase 1: With Employer**

Induction Training  
Introduction to Health & Safety  
Introduction to Tools & Equipment  
Introduction to Basic Skills

### **Phase 2: Delivered in Training Centre (20 weeks)**

Induction  
Electrical Principles  
Intruder Alarms  
CCTV (Closed Circuit Television)  
Fire Alarms  
Access Control

### **Phase 3 With Employer**

Work Based Training and Assessments

### **Phase 4 Delivered in Educational College (10 weeks)**

Customer Communications  
Electrical and Electronic Systems  
Intruder Alarms  
CCTV  
Fire Alarms  
Access Control

### **Phase 5 With Employer**

Work Based Training and Assessments

### **Phase 6 Delivered in Educational College (10 weeks)**

Data Network Systems  
Electronics Systems  
Intruder Alarms  
CCTV  
Fire Alarms  
Access Control

### **Phase 7 With Employer**

Work Based Training and Assessments

The overall duration of this apprenticeship is a minimum of 4 years provided all phases are successfully completed. On successful completion of the programme the learner is awarded a level 6 Advanced Certificate  
Craft - Electronic Security Systems.

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For further information please contact your local Education & Training Board Training Centre or log onto [www.SOLAS.ie](http://www.SOLAS.ie)



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# The Craft of Electronic Security Systems



 **Apprenticeship**  
KNOWLEDGE | SKILLS | COMPETENCE

## What is an Electronic Security Systems Installer?

ESS (Electronic Security Systems) craftspersons are required to design, plan, risk assess, install, program and commission a wide range of integrated security systems in line with all the relevant Irish and EU standards. These security systems include Intruder Alarms, Fire Alarms, CCTV (Closed Circuit Television) Systems, Single and Multi Point Control Systems, Intercom Systems, Gate Automation Systems, Perimeter Control Systems, Electronic Tagging and any other equipment relevant to the industry.

ESS (Electronic Security Systems) craftspersons are also required to compile system and customer documentation, demonstrate systems operation, train clients and system operators, carry out system analysis and investigations, maintain, repair and constantly assess the needs for upgrading of security systems.

## Personal Qualities and Skills

As an Electronic Security Systems craftsperson you will need to be physically active and to be able to work with your hands. An awareness of health and safety and good housekeeping is essential as well as attention to detail and an eye for the aesthetic.

The Electronic Security Systems installer must have the ability to:

- Plan and organise
- Communicate effectively
- Solve problems
- Work independently and as part of a team
- Show a positive attitude
- Recognise the need for good customer relations
- Demonstrate good work practices including time keeping, tidiness, responsibility, quality awareness and safety awareness

## Aspects of work

- Learning and developing new practical craft-related skills, knowledge and competence
- Working with and learning from experienced Craftspersons
- Seeing a job through from start to finish
- Comply with Health and Safety requirements
- Working with technical drawings and diagrams
- Accuracy and attention to detail
- Using IT (Information Technology) skills
- Completion and updating of job-related documentation
- Being well organised and careful with practical tasks
- Installation of equipment in hazardous environments
- Working with a variety of specialised hand tools, power tools and equipment
- Working Outdoors
- Working at heights
- Lifting or carrying heavy items
- Being physically active
- Taking responsibility for their own learning, including the allocation of study time
- Passing all your phase exams (theory, practicals skills demonstration)
- Earning as you learn

## How to become an Apprentice

- You must obtain employment as an apprentice in your chosen occupation.
- The employer must be approved to train apprentices.
- The employer must register you as an apprentice within two weeks of recruitment.
- In certain crafts, apprenticeship applicants are required to pass a colour vision test approved by SOLAS.

## Entry Requirements

The minimum age at which the employment of an apprentice may commence is 16 years of age.

The minimum educational requirements are:

1. Grade D in five subjects in the Department of Education & Skills Junior Certificate Examination or an approved equivalent,

**or**

2. The successful completion of an approved Pre-Apprenticeship course

**or**

3. Three years' work experience gained over sixteen years of age in a relevant designated industrial activity as SOLAS shall deem acceptable

It should be noted that these are the current approved **minimum educational requirements** for apprenticeship programmes, however, previous experience of the following subjects would be an advantage but not essential: Mathematics, Technology, Technical Drawing/ Graphics, Physics and Construction Studies.

## Opportunities on Qualification

On successful completion of the apprenticeship programme, apprentices are qualified to work within the recognised trade or profession.

Where craftspersons have the necessary ability and initiative, opportunities are available for advancement. These include advanced technology courses and management courses which are available in Institutes of Technology, Schools of Management and Professional Institutes.

Many craftspersons use their qualification as a platform to launch careers such as managers, owners of businesses and instructors amongst others.