

## 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 week)

Course Content:  
Induction  
Engines  
Transmissions  
Plant Electrics  
Hydraulics  
Plant Vehicles  
Small Plant  
Related Theory

### Phase 3: With Employer

Work Based Training and Assessments

### Phase 4: Delivered in Educational Colleges (10 weeks)

Course Content:  
Engines  
Transmissions  
Plant Electrics  
Hydraulics  
Small Plant  
Plant Vehicles  
Related Theory

### Phase 5: With Employer

Work Based Training and Assessments

### Phase 6: Delivered in Educational Colleges (10 weeks)

Course Content:  
Engines  
Transmissions  
Plant Electrics  
Hydraulics  
Wheeled & Tracked Plant  
Related Theory

### 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 L level 6 Advanced Certificate Craft – Construction Plant Fitting.

# The Craft of Construction Plant Fitting



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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 **Apprenticeship**  
KNOWLEDGE | SKILLS | COMPETENCE

## What is a Construction Plant Fitter?

A construction plant fitter is a skilled technician who services, diagnoses and resolves technical concerns in mobile equipment used in materials handling for the off-road and on-road construction, excavation, mining, forestry and waste management industries

The work includes:

- Carrying out the routine service procedures as recommended by the manufacturers
- Diagnosing and resolving problems with the operation of the mechanical, hydraulic, pneumatic and electrical systems of machines and equipment such as tracked excavators, forklifts, cranes etc.
- Carrying out all work in accordance with manufacturer's recommended procedures.

Construction Plant Fitters are required to

- Observe and adhere to all national and EU Health, Safety and Environmental legislation and precautions relative to their work.
- Read, interpret and adhere to the vehicle manufacturer's instructions when servicing machines and equipment.
- Use specialised equipment to check the operation of the mechanical, hydraulic, pneumatic, electrical and other systems, recording the results and liaising with the customer.
- Use logical thinking and manufacturer's recommended diagnostic techniques to identify and resolve problems.

## Personal Qualities and Skills

As a Construction Plant Fitter 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.

The Construction Plant Fitter 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 craft-related skills, knowledge and competencies
- Working with and learning from experienced Craftspersons
- Comply with Health and Safety requirements
- Working with machines and mechanical equipment
- Accepting responsibility for the quality of own work
- Being physically active
- Using the special service tools, materials and equipment
- Reading and interpreting technical instructions and diagrams
- Diagnose and repair mechanical and electrical systems
- Dismantling, examining and re-assembling mechanical systems and components
- Testing electrical and electronic systems and components
- Record and communicate accurate work records or reports
- Taking responsibility for own learning, including the allocation of study time
- Being responsible for controlling or adjusting the operation of equipment
- Driving machines/vehicles
- Working evenings or weekends
- 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, Technical Drawing/Graphics, Metalwork, Technology and Physics

## Opportunities on Qualification

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

Opportunities for advancement are available for apprentices and craftspersons that have the necessary initiative, ability and basic qualifications.

These include advanced technology courses and management courses which are available in Institutes of Technology, Schools of Management and Professional Institutes.

Many apprentices use their apprenticeship qualification as a platform to launch careers such as engineers, managers, self-employed business owners, technical trainers, instructors, lecturers, teachers amongst others