

Skills Framework- Engineer

Overview

To become an engineer within the home building sector, a key responsibility is an in-depth knowledge of the technical engineering function within a housing development. Understanding the structural and mechanical aspects of a development prior to site start and throughout a development's life cycle is also important as well as producing engineering drawings to respective tradespeople that detail the engineering elements of a house and the external infrastructure.

To use the Skills Framework, follow the table below to see what training standards are necessary for site managers and assistant site managers. If there are any gaps in your training, you can find the right training course and provider along with average costs below.

Regulatory, Environment and Standards

Statutory Legislation

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
Building Regulations	Building Regulations and control for residential homes (GET1439)	NHBC	CITB	£320	£30

Insurance Compliance

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Warranty certification	Housing warranty and after sales service (GET1441)	NHBC	CITB	£150	£30

Site Management Regulations

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
CDM Regulations	CDM awareness (GET0032)	Various	CITB	£150	£30

Health, Safety & Environment

Site Operations

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
Site Supervisor Safety Training Scheme (SSSTS)/ IOSH or equivalent	Health & Safety in construction site supervision	Various	CITB	£300	£70 (automatic grant)
Hazards & Controls	Hazards and controls associated with the home building sector (GET1448)	Hamilton Deed	CITB	£150	£30

Environmental Awareness & Management

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
Site Environmental Awareness Training Scheme (SEATS)	<u>Introduction into environmental awareness in construction training (GET0701)</u>	Various	CITB	£150	£30

Construction Process

Build Operations

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Dimensional positioning & site levelling	In development	TBC	TBC	TBC	TBC
Groundworks & foundations awareness	In development	TBC	TBC	TBC	TBC
Understanding road construction	<u>Road construction for home build programmes (GET1910)</u>	Various	CITB	£150	£30

Understanding services	TBC	TBC	TBC	TBC	TBC
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Build Quality

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Defects prevention introduction	<u>Defects prevention introduction (GET1445)</u>	NHBC	CITB	£150	£30
Managing timber frame (optional)	TBC	TBC	TBC	TBC	TBC

Qualification

Engineer Qualification

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Degree or Professional Engineer qualification	N/A	N/A	N/A	N/A	N/A

Site & Project Planning

IT Skills

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Software & hardware skills	N/A	Various	N/A	£150	N/A

Project Management

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
Compiling site programmes	<u>Develop and maintain a home build programme (GET1871)</u>	Hamilton Deed	CITB	£150	£30

BIM

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Awareness (optional)	<u>Business Information Modelling (BIM)</u>	Various	CITB	£150	£30

Introduction
(GET0031)

Technical Drawings

Mandatory for Site Managers

Unit of training	CITB training standard	Optional Provider	Accreditor	Average course cost	CITB grant value
Understanding drawings & specs	Interpreting plans and drawings (GET1873)	NHBC	CITB	£150	£30

Management

Leadership Skills, Culture & Behaviours

Unit of training	CITB training standard	Optional provider	Accreditor	Average course cost	CITB grant value
Managing Teams	Home build site management (GET1869) or Develop and maintain a home build programme (GET1871)	Hamilton Deed	CITB	£130 per training standard	£30 per training standard
Managing Meetings					
Assertiveness					

People Management

People

Unit of Training	CITB training standard	Course trainer	Accreditor	Average course cost	CITB grant value
Roles & responsibilities	<u>Home build site management (GET1869)</u>	Hamilton Deed	CITB	£130	£30
Conflict resolutions					
Motivating Others					