

## Course Objectives:

### To enable course members to:

- state and identify the necessary personal protective equipment required,
- report on its condition and locate the various standard marks
- state and identify required health and safety features on a chainsaw
- identify faults and defects on a chainsaw and cutting equipment and
- decide which the operator can remedy and which require a service engineer's attention
- select and identify correct tools to enable maintenance to be carried out and report on their serviceability
- carry out correctly all routine maintenance in accordance with the manufacturer's instruction book and/or the lantra awards workbook
- prepare the chainsaw for use with the correct fuel/oil mix and chain lubrication
- start the chainsaw from both cold and hot in a safe manner
- carry out pre-cutting safety tests and state the procedures if the chainsaw fails these tests
- state the possible hazards/risks when carrying out maintenance or operational tasks
- cross-cut timber accurately to required lengths
- assess and explain the terms 'tension' and 'compression' in timber
- adopt safe procedures to remove a trapped guide bar
- handle and stack timber in a safe manner
- organise site safety and state the precautions required
- understand risk assessment procedure
- assess tree to be felled for hazards and associated risks
- prepare trees to be felled and escape routes
- fell trees that have a diameter up to 200mm / 8" safely and accurately
- using different techniques
- de-limb felled trees in a safe and effective manner
- select and use hand tools and maintain them in a safe condition
- take down hung-up trees using hand tools
- state techniques that must not be used

**NB: The correct protective clothing must be worn by those undertaking chainsaw operation.**

## Who is the course designed for?

This course is for anyone who is required to operate chainsaws, outside of forestry and arboriculture, for cross cutting and felling small trees up to 200mm only.

## Duration:

Four days / Practical: workshop and site based

## Instructor/Trainee Ratio:

Max 1:4

**Course Content:**

- Introduction
- Legal requirements
- Safety and health features of a chainsaw
- Maintenance
- Personal protective equipment
- Fuelling and starting a chainsaw and performing pre-cutting checks
- Adjusting the chainsaw
- Cross-cutting timber
- Safe practice
- Assessing the tree
- Brushing
- Escape routes
- Felling using conventional cuts
- Felling using alternative methods
- De-limbing
- Dealing with hung-up trees
- Clearing site and chainsaw checks

**Equipment & Facilities:**

- Chainsaw complying with pre-course handout
- Operator's maintenance kit and equipment
- Personal protective equipment as per pre-course handout