

Landbased Technology (Extended Diploma)

Scotland's Rural College (SRUC)

Venues

Barony Campus
Oatridge Campus

Content

This programme is designed to provide the knowledge required for a landbased engineering apprenticeship and would normally be delivered across three years on a block release basis. The balance of time is spent working in an engineering dealership where you can gain credits toward your qualification and importantly "earn as you learn."

The course focuses on the technology found on modern landbased equipment along with some traditional engineering such as machining, bench work and welding and fabrication.

A range of topics will be covered during the course including engine technology, transmission systems, chassis systems, hydraulic systems, pneumatic systems, electrical/electronic systems, welding and fabrication, cultivation/harvesting and processing machinery, diagnostics, power shift/hydrostatic and CVT transmissions, electronic control and monitoring systems and computer application and control.

Content includes: Working with Land-based Diesel Fuel Injection Systems; Understanding Computer Application and Control in Vehicles; Understanding and Servicing Harvesting Equipment; Understanding and Working with Engine Technology; Understand and Service Mechanical Power Transmissions.

Start Date

August

Qualification

Other

Study Method

Part time (day)

Course Length

3 years

Department

Engineering and Technology

Entry Requirements

Employment within landbased engineering. English and Maths at National 4 plus 2 subjects at National 5; or NC Landbased Engineering: An Introduction

SCQF Level

6

Website

www.sruc.ac.uk