

A CAREER IN Land-Based Engineering



Introduction to Land-based Engineering

Careers in this area have the potential to be fast-moving, with lots of opportunities to progress and work in different environments.

There are a number of different industries you could work in, including food and drink, agriculture and forestry.

You'll need problem-solving abilities and should be able to come up with innovative solutions when working with the latest in technology.

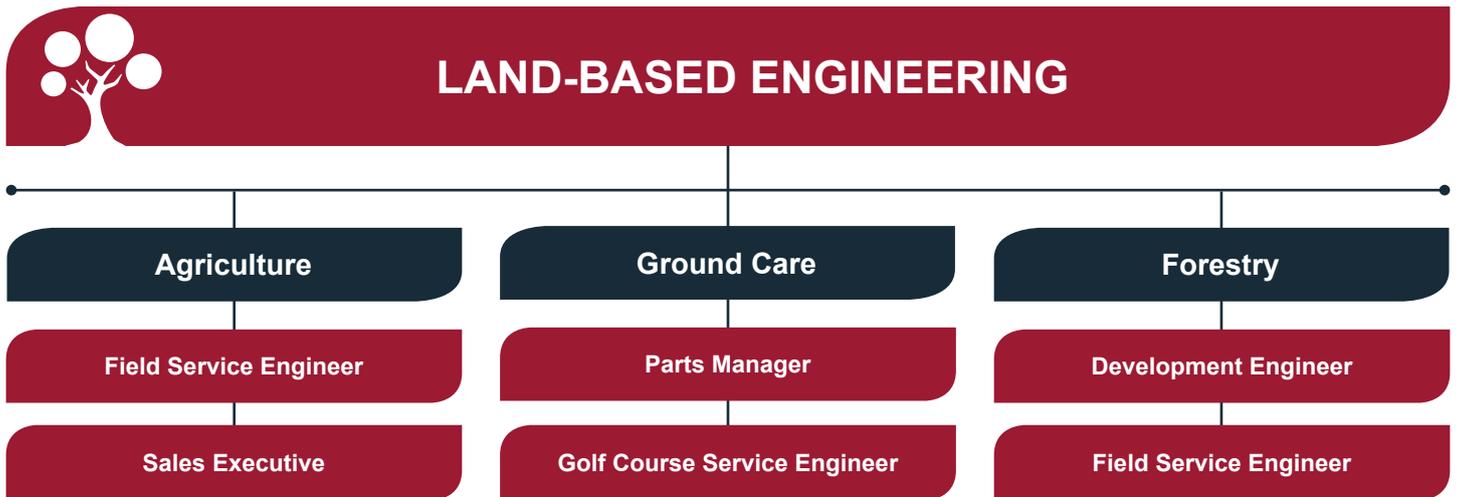
www.scotland.lantra.co.uk





Career Options

There is always a demand for new entrants into the sector, and there are a number of different pathways available. You could specialise in agricultural machinery, forestry, marketing and demonstrations or maybe you would prefer a research and development post. Take a look at the examples of typical jobs below for some inspiration.



New entrants to the land-based engineering industry are needed to help create new technologies and address the problems of an increasing world population and global food shortage



You need a whole variety of skills for this industry, including science, technology, geography, mathematics, and good communication skills



A fully qualified technician can earn up to £40,000 and there are plenty of opportunities to develop your skills throughout your career

Routes into a career in Land-based Engineering

Depending on your current skills and experience, you could enter at different levels.

JOB LEVELS	VOCATIONAL QUALIFICATIONS	SCQF LEVEL	ACADEMIC QUALIFICATIONS
Director Level		12	Doctorate
		11	Masters
Managerial Roles		10	Honours Degree
		9	Degree
		8	HND
Supervisory Roles	Scottish Vocational Qualification	7	Advanced Higher HNC
	Modern Apprenticeship	6	NC in Land-based Engineering Land-based Technology Extended Diploma Higher
Supervised Roles	Scottish Vocational Qualification	5	National 5
	Modern Apprenticeship		
Entry Level		4	NC Land-based Engineering: An Introduction National 4

USEFUL LINKS

Borders College
SRUC

www.borderscollege.ac.uk
www.sruc.ac.uk



People with the right transferable skills can find work across Scotland and the world



Qualified land-based engineers are in demand in agriculture, horticulture, trees and timber and many other industries



There are lots of jobs in sales, in parts and administration too.



Our Stories



Nancy Bryson

Nancy is a director of Bryson Tractors Ltd, an agricultural dealership in Lanark employing 18 staff working across management, sales, stores, administration and the workshop.

“We work in a fantastic industry which has a huge variety of machines and applications, so no two days are the same. Our workshop technicians can be out in a field resetting a tractor guidance system, rebuilding a gearbox in the workshop, carrying out servicing at an industrial site or even working on a machine at a premiership football team pitch. The skills our staff need will just keep growing and becoming more demanding over the years, so the value of investing in and finding new people becomes ever more obvious.”

Michael Rolfe

Michael works as an Agricultural Engineer and won the Land-based Engineering category in Lantra’s Learner of the Year Awards 2016.

“Having grown up around the agricultural industry, I’d always been interested in how farm machinery worked, so it made sense to choose agriculture engineering as a career. I repair and maintain land-based machines and equipment like tractors and implements using a variety of skills. There’s a lot of manual work, but there’s also the electronic side where you run diagnostics using computers. The most rewarding part is fixing a completely dead machine then watching it being driven out the door again. It’s great to go home at night proud of what you’ve accomplished.”



Photos courtesy of Paul Saunders Photography and StepStirling

Find out more

If you would like more information on training or qualifications, email scotland@lantra.co.uk or call **01738 310164**.

www.scotland.lantra.co.uk

www.myworldofwork.co.uk

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Lantra Scotland is supported by the Scottish Government.