





Eastland
Wood Council

TAKE UP A CAREER IN FORESTRY

growing the trees... growing the people



 @eastlandwood
 info@eastlandwood.co.nz
 www.eastlandwood.co.nz



FORESTRYCAREERS.NZ

FORESTRY QUALIFICATION PATHWAYS



Traineeships | Apprenticeships | Diplomas | Degrees

HIGH SCHOOL (LEVEL ONE): NCEA Course			
NZ CERTIFICATES			
LEVEL 2	Forest Foundation Skills STRANDS IN: Establishment Pruning Chainsaw operation Breaking out Landing operations		Forestry Services
LEVEL 3	Forest Harvesting Operations STRANDS IN: Basic machine operation Tree felling Production thinning Breaking out (cable) Breaking out (ground-base) Manual processing Poleman Quality control Log scaling	Forestry Operation STRANDS IN: Chemical handling Pruning Thin to waste Mensuration	Non-production Tree Felling
LEVEL 4	Forest Harvesting Operations STRANDS IN: Cable extraction Fleet, sort and stack Ground-based extraction Head breaker-out Loading Tree felling Log making Mechanised felling Mechanised processing Spotting Swing yarder extraction	Forest Industry Operation (Planning & Monitoring) STRANDS IN: Silviculture Inventory Harvesting	Forestry (Log Stock Management) STRANDS IN: Log inventory Log marshalling
LEVEL 5	Forestry Crew Management		Forest Health Surveillance
NZ DIPLOMA (LEVEL 6): NZ Diploma in Forest Management			
DEGREE LEVEL			
Bachelor of Forestry Science, Bachelor of Engineering			
POSTGRADUATE STUDY			
Postgraduate Diploma/Masters/PhD/Professional qualifications (NZIF)			



CASE STUDIES



YOUR CAREER AS A HARVEST MANAGER

Harvesting managers (sometimes called harvesting and marketing managers) plan and oversee forest harvesting and timber sales. This can include:

- developing harvest plans
- managing pre-harvest forest measurement
- working with roading engineers and harvesting crew managers
- preparing resource consent information
- environmental planning
- overseeing harvesting operations
- marketing timber

Harvesting managers are often responsible for health and safety and environmental compliance of harvesting operations. They also liaise with clients – that is, forest and woodlot owners.

CAREER PROGRESSION: Harvesting managers can progress from junior to senior management roles fairly quickly, and have the opportunity to move between large and small forest owners and/or between other management roles to gain more experience.



YOUR CAREER AS A MACHINE OPERATOR

Machine operators can drive any one of a range of the big powerful machines for harvesting and road construction. Some examples of the machines operating in forests include:

- falling/harvesting machines
- cable and swing yarders
- skidders/extraction machines
- sorting and stacking machines
- loading machines
- mechanised processors
- roading machines

All machine operators work as part of a team, must be safety conscious, and take care of their machines and the working environment.

CAREER PROGRESSION: Machine operators can progress to become crew foremen and managers, and eventually to owning their own crew. A move into roading work is also a possibility.



YOUR CAREER AS A SURVEY TECHNICIAN

Survey technicians assist forest managers and engineers with survey work and measurement of forest areas, trees and logs. This is sometimes called forest inventory.

Trees and forest areas are measured before and after silviculture work to gain information crucial for quality control and planning. Trees are also measured before harvesting to work out future yields and what type of logs will be produced.

CAREER PROGRESSION: Inventory technicians can progress to managing inventory crews. There is also the potential to become skilled in GIS and data analysis and take on more of an inventory planning role over time.

TRAINING PROVIDERS

THE
GENERATION
PROGRAMME ▲▲▲▲▲
Whakatipu ta tatou iwi

Competenz (C)



TŪRANGARARAU

TOI-OHOMAI

Institute of Technology



UNIVERSITY OF
CANTERBURY
Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND



FORESTRY CAREERS



DESPATCH/ LOGISTICS

LOG SCALING
MARSHALLING
STEVEDORING
LOADER OPERATOR

HARVESTING

TREE FALLER
MACHINE OPERATOR
BREAKER OUT
CROSS CUTTER/LOG MAKER
QUALITY CONTROLLER
LOG SCALER
HEALTH & SAFETY



SILVICULTURE

PLANTER
ESTABLISHMENT OPERATOR
PRUNING
THINNING



ADMINISTRATION

SALES & MARKETING
ADMINISTRATOR
IT
HUMAN RESOURCES
HEALTH & SAFETY
OFFICE MANAGER
LOGISTICS & SUPPLY
FINANCE



MANAGEMENT

FOREST MANAGER
HARVESTING MANAGER
HARVEST PLANNER
ENVIRONMENTAL MANAGER
BIOSECURITY MANAGER
FORESTRY CONTRACTOR
FOREMAN/CREW MANAGER
GENERAL MANAGER
CHIEF EXECUTIVE

TRANSPORT

TRUCK DRIVERS
- LOGGING
- METAL/ROADING
HELICOPTER PILOT



ENGINEERING

ROAD ENGINEERING
ROADING CONSTRUCTION
SKID WORK
ROADING CREWS
FORESTRY ENGINEERING

SCIENCE & TECHNOLOGY

GIS SPECIALIST
SURVEY TECHNICIAN
SURVEY CREW MANAGER
SCIENTIST
SCIENCE TECHNICIAN



PROCESSING

MACHINE OPERATORS
HEAD RIG OPERATOR
RESAW OPERATOR
AUTO BOARD EDGER
OPERATOR

