SUSTAINABILITY AND GREEN SKILLS TRAINING

NSI can offer training in the following areas:

- Applied environmental management
- Biodiversity awareness
- Business sustainability assessment
- Building thermal performance and retrofitting
- Carbon accounting
- Conservation and land management
- Eco-tourism
- Energy auditing and efficiency
- Environmental auditing
- Environmental management system ISO14001 implementation
- Green building design and construction
- Green marketing and events management
- Green plumbing
- Green with ENV-E – industry specific eLearning for environmental responsibility
- Grid connect solar PV installation
- Home sustainability assessment
- Horticulture – arboriculture, nursery, parks and gardens
- Irrigation
- Landscape design and construction
- Local government planning, environment and health
- Natural area restoration
- Policies, procedures and practices for sustainability
- Renewable energy
- Sustainable operations
- Sustainable purchasing
- Waste management
- Water management
- Wind site assessment

RENEWABLE ENERGY TECHNOLOGY AND URBAN PLANNING

NSI offers training in grid connected solar photovoltaics and has partnered with the Institute of Sustainable Futures at the University of Technology, Sydney, to develop a new course in small wind site assessment. Australia’s existing buildings contribute around 23% to the national carbon footprint and there is a huge opportunity to achieve substantial carbon reductions through retrofits and green building design. NSI delivers green skills in architectural technology, building studies, surveying, plumbing, carpentry, and construction and will soon be offering Local Government (Planning).

Careers include:
Architect | Building retrofitter | Gas installer | Green builder | Green plumber | Project manager | Renewable energy installer | Renewable energy systems designer | Small wind site assessor | Sustainability transport officer | Town planner

FOR MORE INFORMATION
131 674

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Ask us about funding opportunities for sustainability and green skills training.

www.nsi.tafensw.edu.au/greenskills

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**Sustainability** has been identified as one of the fastest growing industries in the global economy. Many organisations are implementing Corporate Social Responsibility (CSR) and Quadruple Bottom Line (QBL for Environmental, Social, Governance and Economic practices) to achieve Ecologically Sustainable Development (ESD).

As the economy responds to climate change and limited resources, industry sectors are upskilling their existing employees and recruiting new employees with sustainability qualifications and with ‘Green Skills’ – the technical skills and knowledge needed to follow environmental best practices. ‘Green Jobs’ are being created as new technology is developed in areas such as renewable energy, sustainable water technologies and innovative ways of designing buildings and products.

**BUSINESS AND HOME SUSTAINABILITY ASSESSMENT**

There is an expected growth in the new area of sustainability due to the increasing community concern about climate change, the rising cost of energy and the building energy rating reporting required of commercial and residential property owners prior to sale or lease. NSI offers the two new nationally accredited Certificate IV courses in Business Sustainability Assessment and Home Sustainability Assessment and will be offering training in Residential Building Mandatory Reporting (RBMR).

Careers include:
- Business sustainability assessor | Building retrofitter | Energy rating auditor | Facility manager | Home sustainability assessor | Property manager | Sustainability officer

**SUSTAINABLE WORK PRACTICES**

There are key industry areas that have the potential to contribute substantially to economic sustainable development. This requires leadership for change and best practice in sustainability along with Quadruple Bottom Line (QBL) reporting. NSI offers industry specific training in workplace policies procedures and practices for sustainability. The award winning online “Green with ENVe” program can be customised for any industry such as Local Councils and the construction and manufacturing industries.

Key industry vocations include:
- Architects | Builders | Business managers | Electricians | Engineers | Event managers | Finance managers | Hospitality managers | HR managers | IT managers | Manufacturers | Marketing & communication managers | Mining personnel | Plumbers | Procurement officers | Product designers | Retail managers | Supply and distribution managers | Tour guides | Warehouse managers

**CONSERVATION, LAND MANAGEMENT AND URBAN HORTICULTURE**

NSI has specialised capability in conservation and urban horticulture with training in conservation and land management, marine and coastal conservation, biodiversity, bushcare, arboriculture, wholesale nursery, landscape construction and design, parks and gardens, turf management and irrigation.

Careers include:
- Arborist | Biodiversity officer | Bush regenerator | Conservation officer | Geographical information systems (GIS) officer | Irrigators | Landcare worker | Landscape design and construction | Marine assistant | Natural resource manager | Park ranger

**ENVIRONMENTAL MANAGEMENT AND SUSTAINABILITY**

The green ripple effect is running through supply chains, as one organisation goes green, they are demanding their suppliers provide their green credentials. NSI offers Applied Environmental Management, Environmental Auditing, Waste and Water Management, and Policy Procedures and Practices for Sustainability and will soon be offering Sustainable Operations, Environmental Monitoring and Technology, Local Government (Health and Environment). NSI also offers customised training in implementing an Environmental Management System (EMS) towards ISO 14001.

Careers include:
- Environmental auditor | Environmental consultant | Environmental Health & safety officer | Environmental impact assessor | Environmental manager | Environmental officer | Life cycle analyst | Sustainability officer | Waste manager | Water manager and tester

**ENERGY EFFICIENCY AND CARBON MANAGEMENT**

The ability to account for carbon emissions and to enable energy efficiencies is becoming vital for organisations across all industry sectors. Carbon accounting provides skills in identifying, calculating and quantifying workplace carbon emissions, and preparing and interpreting carbon reports for management purposes.

NSI offers the course in Carbon Accounting licensed through Swinburne University as well as training in energy efficiency and energy auditing.

Careers include:
- Carbon accountant | Carbon emission auditor | Carbon trading officer | Energy auditor | Energy efficiency technical advisor | Fleet manager | HVAC technician | Hybrid vehicle technician | Refrigeration technician