ENGINEERING & SURVEYING

Career Opportunities

Electrical and Electronic Engineering

Analogue and digital electronics, computer engineering, microprocessors and applications, measurement, instrumentation and control, robotics, telecommunications, microwaves, fibre optics, biomedical engineering, power stations, distribution and machines, defence services, electricity boards, government departments.

Computer Systems Engineering

Engineering applications of expert systems, hardware interfacing computer sales, computer engineering technologist, computer manufacturing and computer systems officer.

Civil Engineering

The building and development of infrastructure, such as roads, railways, airfields, irrigation works, buildings, harbour facilities, dams, pipelines, sewers, tunnels, canals and disposal works.

Mechanical Engineering

Manufacturing refineries, mining, transportation, computing, energy and education industries, including consultancy, research, project planning and management design, development, supervision and commissioning of new systems, computer-aided design and manufacture of consumer products, machines and equipment, specialist technical sales.

Mechatronic Engineering

Designing and implementing intelligent mechanical systems such as robots, computer controlled machine tools and automatic processing systems.

NB: This is not an exhaustive list just for reference only

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Agricultural Engineering

Design, development, research and management in agriculture, irrigation, intensive livestock, processing, transport, forestry, water supply, soil conservation, environmental protection and water conservation both in Australia and overseas.

Instrumentation and Control Engineering

Mining, telecommunications, electricity boards, government departments, hospitals, research organisations, power stations, computer companies, satellite tracking stations, public utilities and manufacturing.

Environmental Engineering

Water and wastewater treatment, river hydrology, soil conservation, irrigation, salinisation, drainage, mine site rehabilitation, environmental studies, water resources engineering, soil science, engineering problem solving and management.

Power Engineering

Mining, construction and transport industries, petrochemical companies, food manufacturing, steel processing, utilities, electrical equipment, sales, manufacturing and testing and a host of other diverse industries.

Software Engineering

Computer scientist, software engineer in oil refineries, chemical plants, electricity supply networks and communication networks.

Surveying

Surveying technologist with private organisations, a mine surveyor, supervising engineering surveyor and with experience, manager of survey operations in commonwealth, state and local government, or construction organisations.

Geographic Information Systems

Geographic information systems manager or spatial information analyst in local government, engineering, state and commonwealth government agencies and private sector organisations in applications such as environmental assessment, planning and land development.

Employers

Aker Solutions
Alcoa World Alumina Australia
ALDI Stores
Antipodeans Abroad
ANZ
Arup
AusAID
Ausenco Services
Australia Post
Australian Bureau of Statistics
Australian Customs Service
Australian Secret Intelligence Service
Australian Security Intelligence Organisation
Beca
Bechtel
BlueScope Steel
Boral
Centrelink
CGU insurance
Chevron
Citi
Clemenger Group
Commonwealth Bank
Connell Wagner
Credit Suisse
Defence Force Recruiting
Defence Imagery & Geospatial Organisation
Department of Agriculture, Fisheries & Forestry
Department of Defence
Department of Families, Housing, Community Services & Indigenous Affairs
Department of Foreign Affairs and Trade
Department of Immigration and Citizenship
Department of Infrastructure, Transport, Regional Development and Local Govt
Department of Innovation, Industry & Research
Department of Main Roads (Qld)
Department of Resources, Energy & Tourism
Department of Environment, Heritage & the Arts
Deutsche Bank
Downer EDI Works
Ernst & Young
Ernst & Young (NZ)
ExxonMobil
Fonterra
Ford Motor Company
GHD (Australia)
GHD (NZ)
GRD Minproc
Halliburton
Harrison Grierson Consultants
Hatch
Indigenous Australia
Jemena
John Holland
Kellogg Brown & Root (KBR)
KPMG
Laing O'Rourke
Lycopodium Minerals
Main Roads
Mars Australia
McCain Foods
Medicare Australia
Meltwater News
National Australia Bank
National Foods
NT Department of Education and Training
OneSteel
Oz Minerals
PricewaterhouseCoopers
Procter and Gamble
Reckitt Benckiser
Reserve Bank of Australia
Santos
Schlumberger Oilfield Australia
Seymour Whyte Constructions
Snowy Hydro Limited
St George
State Transit Authority (NSW)
Teaching Supply
Telecom NZ
Terra Firma
Thales Australia
Thiess
Thinc Projects
Unilever
URS (Australia)
VENCorp
Victorian Government
Weatherford
Westpac
WorkSafe Victoria
WorleyParson

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