



| NSW Department of Education

Architectural, Building and Surveying Technician

Architectural, building and surveying technicians perform technical functions to assist construction managers, architects and surveyors by supervising and inspecting construction sites, estimating time, costs and resources, inspecting plumbing work, and collecting and evaluating survey data and preparing maps and plans.

education.nsw.gov.au



Job title examples

- Architectural Draftsperson / Architectural Associate
- Building Associate
- Building Inspector / Building Certifier / Building Surveyor
- Construction Estimator / BuildingEstimator
- Plumbing Inspector
- Surveying or Spatial Science Technician / GIS Technician

What architectural, building and surveying technicians do

- assist construction managers, architects and surveyors in planning and organisation
- interpret plans, regulations and codes of practice
- prepare preliminary sketches, working drawings and specifications
- prepare, edit and revise plans, maps, charts and drawings
- coordinate works programs
- inspect work and materials for compliance with specifications, regulations and standards
- calculate costs and estimate time scales
- collect data using surveying instruments and photogrammetric equipment
- perform routine computations and plot preliminary data

Main employing industries

- Professional Scientific and Technical Services (e.g. architectural, surveying and mapping services)
- Construction

Qualifications

The following government subsidised qualifications are available in NSW:



To find out more regarding these related jobs, visit education.nsw.gov.au/job-guides.

Information sources

Occupations: Australian Bureau of Statistics, Australian and New Zealand Standard Classification of Occupations, 1220.0

Employment: Australian Bureau of Statistics, Labour Force, Australia, Detailed, Quarterly, 6291.0.55.003

Skills shortages: Department of Employment, Skill Shortage List NSW 2015-16

Job prospects: Centre of Policy Studies (CoPS), Victoria University, Employment Forecast Data for NSW 2015/16 to 2022/23

Earnings: Department of Employment, joboutlook.gov.au, based on ABS Characteristics of Employment Survey, August 2014

Certificate III in Post-Tensioning available as a traineeship or qualification

Certificate III in Surveying and Spatial Information Services available as a traineeship or qualification

Certificate IV in Surveying available as a traineeship or qualification

Certificate IV in Building and Construction (Building) available as a traineeship or qualification

Certificate IV in Design of Kitchens, Bathrooms and Interior Spaces available as a traineeship or qualification

Certificate IV in Home Sustainability Assessment available as a traineeship or qualification

Certificate IV in NatHERS Assessment available as a qualification

Certificate IV in Spatial Information Services available as a traineeship or qualification

Diploma of Building Design available as a qualification

Diploma of Building Surveying available as a traineeship or qualification

Diploma of Residential Building Energy Assessment available as a qualification

Diploma of Surveying available as a traineeship or qualification

Apprenticeships and traineeships: Find out how to get an [apprenticeship or traineeship](#).

Course fees: You may be eligible for government subsidised training under Smart and Skilled. Go to the [Course Finder](#) to find training in your area, estimate your fee and find a training provider.

Job prospects and pay

- There are around 19,570 architectural, building and surveying technicians working in NSW.
- Over the next four years, employment in this occupation is expected to decline in NSW.
- Employers report a current state-wide shortage of Architectural Draftspersons.

Average weekly full-time earnings (before tax):

- Architectural, building and surveying technicians: \$1,568
- All occupations: \$1,200

Related jobs

- Civil Engineering Draftsperson and Technician
- Construction Manager