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.

**Job title examples**

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

**Other jobs in this field of work**

**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

SMARTANDSKILLED.NSW.GOV.AU NOVEMBER 2016
ARCHITECTURAL, BUILDING AND SURVEYING TECHNICIAN JOB GUIDE
Qualifications

The following government subsidised qualifications are available in NSW:
- **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

To find out more regarding these related jobs, visit the [Job Guides Homepage](#).

**Information sources**

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