

215 Architects, Urban Planners and Land Surveyors

At a Glance

**Number of Employees
in the NWT:** 84

Gender:

Male 93%
Female 7%

Age:

15-24 years 1%
25-44 years 55%
45+ years 44%

Ethnicity:

Aboriginal 8%
Non-Aboriginal 92%

Hours of Work:

Full-time 100%
Part-time 0%

At Work

Architects think up, plan and develop designs for the construction and renovation of commercial, institutional and residential buildings in consultation with clients. They work for architectural firms, private corporations and governments, or they may be self-employed.

Land surveyors plan, direct and conduct legal surveys to establish property boundaries and prepare and maintain official plans, records and documents pertaining to these surveys. They work for federal, provincial, territorial and municipal governments, private sector land surveying establishments, or they may be self-employed.

Architects work with private, business or government clients to plan and develop designs for the construction or renovation of residential, commercial, institutional, and industrial buildings. They prepare sketches or models and blueprints for tradespeople and contractors to use during construction. They may specialize in certain types of construction.

Landscape architects develop landscape designs and oversee the landscaping of commercial projects, office complexes, parks, golf courses and residences.

Urban and land use planners prepare and recommend land development plans for urban and rural areas and remote regions.

Land surveyors direct and conduct legal surveys to establish property boundaries and prepare and maintain associated documents. They assess properties, parcels of lands and subdivision of lands for rural and urban development, utility rights of way, roadways and highways. They certify and assume liability for surveys made to establish property boundaries and provide advice on matters related to legal surveys.

Typical Occupations

Project Architect
Consulting Architect
Industrial and Commercial Buildings Architect
Landscape Architect
Residential Buildings Architect
Community and Urban Planner
Planning Analyst
Property Surveyor
Land Surveyor
Pipeline Surveyor
Capital and Facility Planner
Transportation Planner

Requirements

- High school diploma.
- Undergraduate degree from an accredited school of architecture or completion of the syllabus of studies from the Royal Architectural Institute of Canada (RAIC).
- Urban and land use planners and surveyors require a university degree in urban and regional planning, geography, architecture, engineering or a related discipline.
- Student architects are required to complete a three-year apprenticeship under the supervision of a registered architect.
- Some occupations may require a graduate degree.
- Completion of the architect registration examination.
- Registration with the province or territory in which you work may be required.
- Membership in the Canadian Institute of Planners.

Your Skills and Aptitudes

You have an understanding of social needs and what people want in their public and private spaces. You have an aptitude for art and design, possibly including a background in fine arts. You are able to visualize how a building might appear in three dimensions based on drawings of it. You are competent in mathematics and have an aptitude for technology and computer applications.

How To Get There

Generally, students entering these fields have a good grasp of math and art and have completed high school successfully, with high enough grades to enter appropriate programs at universities in the south. Requirements vary per university. Check online calendars or ask at your local career centre.

In addition to university, there is an alternate pathway to becoming an architect. Prospective architects can do part-time coursework with the Royal Architectural Institute of Canada syllabus program to earn a diploma of architecture. They then work for eight years under the supervision of a registered architect.

Prospective land surveyors generally need a degree in geomatics or survey engineering. However, a community college program in survey science or geomatics technology with additional credits will sometimes suffice, along with an articling period and passing a professional examination.

In the NWT, 4% of people at work in these professions have less than a high school education, 29% have a high school diploma, 18% have a certificate or diploma and 50% have a university degree.

Where The Jobs Are

About 74% of employees working in these occupations live in Yellowknife, 14% live in the regional centres of Inuvik, Hay River and Fort Smith and 12% live in the other communities.

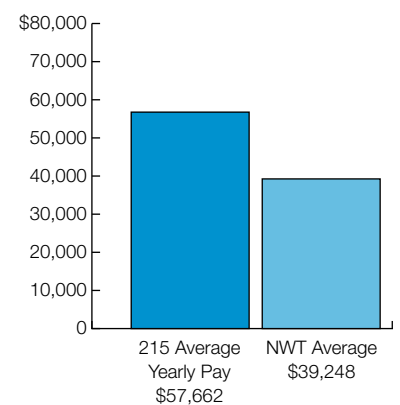
About 42% of people at work in these occupations are in the mining and oil and gas industry and 37% are in the public administration industry.

Projected Demand to 2014

Peak Demand	Duration of Demand	Job Opportunities
Low	Short-term	Low
Medium	Medium-term	Medium
High	Long-term	High

Occupations in this area are predicted to see moderate increases in employment levels over the next 10 years, accompanied by long-term employment for existing positions and good opportunity for future positions.

Average Employment Income



Resources

Aurora College

Royal Architectural Institute of Canada

NWT Association of Architects

Canadian Society of Landscape Architects

NWT Association of Landscape Architects (NWTALA)

Canadian Institute of Planners

Association of Canada Land Surveyors

Universities of Alberta, Calgary, Saskatchewan, Toronto