

# Statistician

Design studies, measure things properly, and say how sure you actually are.

## TYPICAL PAY

**\$106,000**

a year, full time

## PAY RANGE

**\$65k to \$161k**

starting to experienced

## TIME TO QUALIFY

**4 to 6 years**

after high school

## DEMAND

**Good**

job outlook

## LICENCE NEEDED

**No**

anyone can do it

## WHERE YOU WORK

**Government agencies, hospitals  
and trials, universities, insurance,...**

## How you get there

- 1 High school** Grades 11 and 12  
Calculus, advanced functions and data management if your school offers it. Add computer science.
- 2 Bachelor's degree** 4 years  
Statistics, or mathematics with a statistics major. Pick a co-op program if you can, since work terms decide your first job.
- 3 Learn the tools properly** During the degree  
R, Python and databases. Employers test this, not your grade in theory courses.
- 4 Master's degree** 1 to 2 years  
Statistics or biostatistics. This is what most postings above the entry level ask for, and many programs are 12 to 16 months.
- 5 Accreditation, if you want it** Later, optional  
The Statistical Society of Canada grants the Professional Statistician (P.Stat) designation after a degree plus several years of practice.

## Pros and cons

- + Strong demand in health, government and industry
- + Cheap education with paid co-op terms
- + Remote and flexible work is normal
- Cleaning messy data eats a lot of your week
- People want certainty you cannot honestly give them
- The best jobs want a master's degree

## Optional boosts

Biostatistics. Survey methodology. Machine learning. Actuarial work.

## Good to know

### Filling in the census is the law

Statistics Canada runs the Census of Population every five years and answering it is legally required. The agency also runs the Census of Agriculture, and statisticians spend years designing the questions an...

### Statistics decides which drugs you can buy

Before a new medicine is approved in Canada, biostatisticians design the trial, set the number of patients needed and analyse the results. If the statistics do not hold up, the drug does not get approved.

### Where these numbers come from

Job Bank: Statistician in Canada, wages (updated Nov 2025)  
Statistical Society of Canada  
Statistics Canada  
University of Waterloo: Faculty of Mathematics

Numbers checked September 2026. Pay figures are typical full-time annual amounts in Canadian dollars, based on Government of Canada Job Bank wage data and published salary grids. They vary by province, employer and experience. Tuition is for domestic students. Sources, links and the click-through version: <https://career.help/ca/careers/statistician>



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