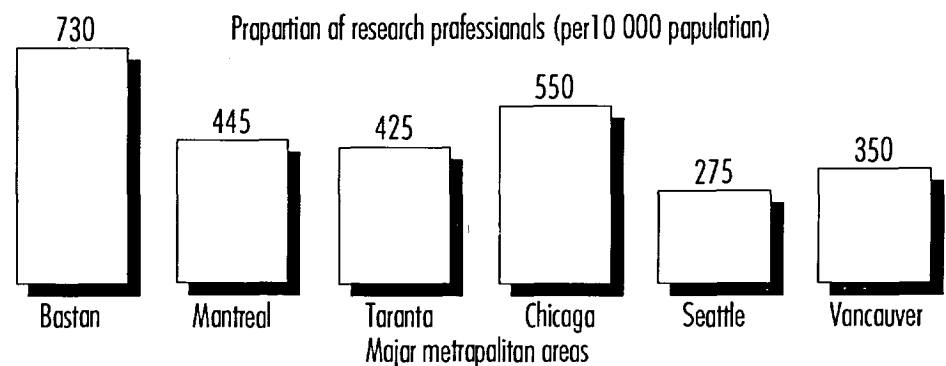


## Chart 9

### Human resources

The availability of talented research professionals is critical to the creation, development and utilization of new technologies. Canada's major metropolitan areas are highly competitive with similar U.S. centres in this respect.

#### Relative intensity of research capabilities Selected Canadian and U.S. metropolitan areas, 1989



Source: Science, Technology and Economic Analysis Division (ISTC) /OECD

#### Experienced specialized skills

Canada has a population of 26.5 million people. In this pool are talented men and women with special schooling and practical work skills in Industrial Wastewater Management.

#### Academic and vocational graduates in Canada

- Bachelor and Professional degree programs are typically 4 years of university.
- Master's work is 1-2 years, and a doctorate is 4-5 years of work in the graduate school level.
- Vocational college degrees are typically 2-3 years in length.

	Bachelor degree 1988	Master and doctorate degree 1988
Civil engineering	981	393
Chemical engineering	649	204
Mechanical engineering	1 857	279
Electrical engineering	1 997	444
Chemistry	935	364
Biology	3 944	394
Computer science	2 753	363

#### Community college diplomas in career programs, 1986-87

Chemical technologies	770
Computer science/ mathematics	3 577
Electrical/electronic technologies	3 963
Engineering technologies	5 415
Environmental and conservation technologies	615

Source: Statistics Canada