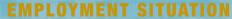
RELANCE SURVEY OF UNIVERSITY GRADUATES - 2012











OF GRADUATES OF DOCTORAL PROGRAMS:

2005, 2010 and 2012 Surveys

QUÉBEC POUR TOUS



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INTRODUCTION

This brochure presents in table form the main results of the *Relance survey* of university graduates conducted in 2005, 2010 and 2012, focusing on doctoral degree holders who graduated from Québec universities in 2003, 2008 and 2010 respectively.

The purpose of this survey is to provide an accurate picture of the situation of university graduates—during the reference week—approximately 20 months after they earn their degree. It meets a need for accurate and up-to-date information on how well recent university graduates are faring on the labour market.

For further information on the disciplines listed in this brochure or on other groupings, please refer to the various documents related to the *Relance* surveys available at: http://www.mesrst.gouv.qc.ca/Relance.

HIGHLIGHTS

Most of the highlights presented below were taken from the summary tables in this brochure.

- During the week of January 15 to 21, 2012, approximately 20 months after receiving their diplomas, 77.6% of doctoral graduates had found full-time or part-time employment, as compared with 68.4% and 70.0% in the last two surveys conducted in 2005 and 2010 respectively.
- A lower percentage (11.6%) of doctoral graduates declared that they were pursuing a postdoctoral fellowship during the reference week as compared with the last two surveys (20.6% in 2005 and 16.9% in 2010).
- More than three out of four doctoral graduates in law, languages and literature, business administration, social sciences, education and applied sciences had jobs in January 2012. The employment rates of graduates in the pure sciences, health sciences and arts (61.1%, 62.5% and 66.1% respectively) were significantly below the average (77.6%).
- Between the two most recent surveys in 2010 and 2012, the full-time employment rate remained stable at 86.1%. Among the graduates with a full-time job in 2012, 93.0% of them worked in an occupation related to their field of study, a slight improvement as compared with 2010 (91.7%).
- In January 2012, 4.6% of doctoral graduates were looking for work. More men than women declared that they were looking for work (i.e. 5.6% compared with 3.6%). In 2010, twice as many men as women were looking for work (5.2% of men versus 2.4% of women).

- During the week of January 15 to 21, 2012, doctoral graduates experienced unemployment rates below that of the Québec labour force as a whole (i.e. 5.5% versus 9.3%). In terms of gender, the unemployment rate for women was much lower than that for men (4.4% versus 6.8%).
- Doctoral graduates who were working full-time earned an average gross weekly salary of \$1251 in 2012, which is comparable to 2010 (\$1283). In 2012, the difference in salary between female and male doctoral graduates was not significant. Women earned an average gross weekly salary of \$1249, compared with \$1253 for men. There was a similar difference in 2010, with women earning \$1271 and men \$1294.

GLOSSARY OF THE MAIN TERMS USED IN THE TABLES

TARGET GRADUATES

"Target graduates" refers to all holders of a doctoral degree who received their degree during the calendar year two years prior to the survey year.

EMPLOYED

"Employed" refers to target graduates who stated they were self-employed or working for an employer, and not studying full-time or pursuing a postdoctoral fellowship.

POSTDOCTORAL FELLOWS

"Postdoctoral fellows" refers to target graduates who were registered in a postdoctoral program during the week of January 17 to 23, 2010.

SEEKING EMPLOYMENT

"Seeking employment" refers to target graduates who stated they were actively looking for a job and were neither studying nor working.

STUDYING

"Studying" refers to target graduates who stated they were studying either full-time or part-time, and not working.

INACTIVE

"Inactive" refers to target graduates who stated they were not employed, were not seeking employment, and were not studying.

UNEMPLOYMENT RATE

"Unemployment rate" refers to the number of graduates seeking employment compared with the number of people in the labour force (which includes people who are employed and people who are seeking employment). The unemployment rate is expressed as a percentage.

WORKING FULL-TIME

"Working full-time" refers to employed graduates working generally 30 hours or more per week.

WORKING PART-TIME

"Working part-time" refers to employed graduates working generally less than 30 hours per week. The proportion of graduates working part-time is obtained by subtracting the proportion of graduates working full-time from 100%.

AVERAGE GROSS WEEKLY SALARY

"Average gross weekly salary" represents the average gross income earned by workers for one week of full-time work.

The data reflect only graduates working for an employer.

WORKING IN RELATED FIELD

"Working in related field" refers to graduates working full-time who consider their job to be connected to their field of study.

REFERENCE WEEKS

The data are grouped according to the following reference weeks: January 15 to 21, 2012; January 17 to 23, 2010, and January 16 to 22, 2005.

RELANCE SURVEY OF UNIVERSITY GRADUATES – 2012

HOW INDICATORS ARE CALCULATED

The calculation table below uses data from the 2012 Relance survey of university graduates to illustrate the application of the definitions of the main terms used in the tables.

Calculation example: Results of the 2012 survey of graduates with a doctoral degree

	Number	%	Calculation
Number of graduates targeted by the survey (size of the population)	1 213		
Total number of graduates who completed the questionnaire	724	100.0	
Postdoctoral fellows	84	11.6	84/724
Employed	562	77.6	562/ 724
• Full time	484	86.1	484/562
- in related field	450	93.0	450/484
Seeking employment	33	4.6	33/ 724
Studying	33	4.6	33/ 724
Inactive	12	1.7	12/ 724
Unemployment rate		5.5	33/(562+33)

OVERALL RESULTS BY GENDER

SITUATION IN 2012			SI	TUATION IN JANUAR			FULL-TIME EMPLOYMENT AND RELATED ASPECTS			
SITUATION IN 2010 SITUATION IN 2005	TARGET GRADUATES	EMPLOYED	POST-DOCTORAL FELLOWS	SEEKING EMPLOYMENT	STUDYING	INACTIVE	UNEMPLOYMENT RATE	WORKING FULL TIME	AVERAGE GROSS WEEKLY SALARY	WORKING IN RELATED FIELD
	N	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(\$)	(%)
WOMEN	587	78.7	9.9	3.6	4.9	2.9	4.4	81.2	1 249	93.1
	570	71.6	14.9	2.4	4.2	6.9	3.2	83.8	1 271	91.0
	403	72.4	16.5	5.0	1.9	4.2	6.4	86.8	1 118	90.9
MEN	626	76.4	13.6	5.6	4.1	0.3	6.8	91.9	1 253	92.9
	645	68.3	18.9	5.2	5.5	2.0	7.1	88.5	1 294	92.3
	578	65.5	23.5	5.9	3.1	2.0	8.2	91.9	1 152	91.2
TOTAL	1 213	77.6	11.6	4.6	4.6	1.7	5.5	86.1	1 251	93.0
	1 215	70.0	16.9	3.8	4.9	4.4	5.2	86.1	1 283	91.7
	981	68.4	20.6	5.5	2.6	2.9	7.4	89.6	1 137	91.0

RESULTS BY FIELD AND DISCIPLINE

	SITUATION IN 2012			SI	TUATION IN JANUAR	Y			FULL-TIME EMPLOYMENT AND RELATED ASPECTS		
	SITUATION IN 2010 SITUATION IN 2005	TARGET GRADUATES	EMPLOYED	POST-DOCTORAL FELLOWS	SEEKING EMPLOYMENT	STUDYING	INACTIVE	UNEMPLOYMENT RATE	WORKING FULL TIME	AVERAGE GROSS WEEKLY SALARY	WORKING IN RELATED FIELD
		N	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(\$)	(%)
HEAL 1	TH SCIENCES	180	62.5	22.1	1.9	8.7	4.8	3.0	89.2	1 213	87.9
		193	54.0	31.9	0.9	8.0	5.3	1.6	98.4	1 296	95.0
		171	54.2	29.0	3.7	7.5	5.6	6.5	98.3	1 109	91.2
5102	Basic or applied health sciences	88	62.7	23.5	2.0	9.8	2.0	3.0	90.6	1 095	93.1
		86	54.0	30.0	0.0	8.0	8.0	0.0	96.3	1 217	88.5
		76	39.5	39.5	2.3	11.6	7.0	5.6	100.0	922	88.2
5108	Experimental medicine										
	and experimental surgery	31	29.4	52.9	5.9	5.9	5.9	16.7	100.0	1 534	100.0
		23	52.9	23.5	0.0	11.8	11.8	0.0	100.0	1 018	88.9
5112	Pharmacology or	30	43.8	31.3	6.3	12.5	6.3	12.5	100.0	1 231	85.7
	pharmaceutical science	28	76.5	11.8	0.0	11.8	0.0	0.0	100.0	1 106	100.0
		31	66.7	22.2	5.6	5.6	0.0	7.7	100.0	1 270	91.7
5115	Dietetics and nutrition										
		8	66.7	33.3	0.0	0.0	0.0	0.0	75.0	968	66.7
5140	Community health	23	81.3	18.8	84.6	0.0	0.0	0.0	0.0	1 760	100.0
	and epidemiology	24	68.4	21.1	0.0	5.3	5.3	0.0	100.0	1 503	100.0
		22	75.0	12.5	12.5	0.0	0.0	14.3	100.0	1 236	100.0
PURE	SCIENCES	220	66.1	17.8	5.9	8.5	1.7	8.2	92.3	1 038	86.1
		195	55.1	25.8	3.4	12.4	3.4	5.8	89.8	1 206	88.6
		174	58.6	34.2	5.4	1.8	0.0	8.5	98.5	1 031	89.1
5200	Biological sciences	59	67.6	26.5	2.9	2.9	0.0	4.2	95.7	916	90.9
		57	55.2	24.1	6.9	10.3	3.4	11.1	100.0	1 169	93.8
		33	45.0	50.0	0.0	5.0	0.0	0.0	100.0	968	100.0
5211	Microbiology	20	50.0	16.7	8.3	16.7	8.3	14.3	100.0	909	100.0
		18	50.0	33.3	0.0	16.7	0.0	0.0	66.7	1 827	100.0
		22	50.0	42.9	7.1	0.0	0.0	12.5	100.0	1 288	71.4

5214	Biochemistry										
		21	69.2	30.8	0.0	0.0	0.0	0.0	100.0	936	100.0
5240	Physical sciences	32	64.7	11.8	5.9	11.8	5.9	8.3	100.0	1 249	81.8
		19	58.3	16.7	8.3	16.7	0.0	12.5	100.0	1 163	85.7
		19	53.8	38.5	7.7	0.0	0.0	12.5	85.7	894	66.7
5245	Chemistry	34	76.5	5.9	5.9	11.8	0.0	7.1	84.6	959	81.8
	•										
		36	53.8	38.5	3.8	3.8	0.0	6.7	100.0	1 346	85.7
5249	Oceanography										
	3 1 7	6	75.0	25.0	0.0	0.0	0.0	0.0	100.0	1 353	100.0
5270	Energy	9	83.3	00	16.7	0.0	0.0	16.7	80.0	1 639	50.0
	3,										
		6	80.0	20.0	0.0	0.0	0.0	0.0	100.0	713	100.0
APPL	IED SCIENCES	289	76.3	14.5	6.6	2.0	0.7	7.9	96.6	1 240	93.8
		295	66.0	20.1	6.9	4.9	2.1	9.5	97.9	1 361	90.3
		195	64.0	22.8	8.8	1.8	2.6	12.0	95.9	1 221	88.6
5340	Computer science										
		26	50.0	33.3	8.3	0.0	8.3	14.3	100.0	1 708	83.3
5350	Engineering	26	78.6	14.3	7.1	0.0	0.0	8.3	100.0	978	100.0
	3 3	20	69.2	15.4	0.0	15.4	0.0	0.0	100.0	1 200	100.0
5355	Biological or biomedical	10	71.4	28.6	0.0	0.0	0.0	0.0	100.0	1 231	60.0
	engineering										
	3 3										
5356	Chemical engineering	31	56.3	12.5	12.5	18.8	0.0	18.2	100.0	1 359	88.9
5358	Civil, building or										
	transportation engineering										
		20	64.3	7.1	21.4	0.0	7.1	25.0	100.0	1 312	66.7
5359	Electrical, electronic or	61	83.3	10.0	6.7	0.0	0.0	7.4	96.0	1 195	100.0
	communications engineering										
		36	78.9	15.8	5.3	0.0	0.0	6.3	100.0	1 748	86.7

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SITUATION IN 2012			Si	ITUATION IN JANUAR	Y			FULL-TIME EMPLOYMENT AND RELATED ASPECTS		
SITUATION IN 2010 SITUATION IN 2005	TARGET GRADUATES	EMPLOYED	POST-DOCTORAL FELLOWS	SEEKING EMPLOYMENT	STUDYING	INACTIVE	UNEMPLOYMENT RATE	WORKING FULL TIME	AVERAGE GROSS WEEKLY SALARY	WORKING IN RELATED FIELD
3110/1110111112000	N	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(\$)	(%)
APPLIED SCIENCES (cont.)	289	76.3	14.5	6.6	2.0	0.7	7.9	96.6	1 240	93.8
	295	66.0	20.1	6.9	4.9	2.1	9.5	97.9	1 361	90.3
	195	64.0	22.8	8.8	1.8	2.6	12.0	95.9	1 221	88.6
5360 Mechanical engineering	25	86.7	13.3	0.0	0.0	0.0	0.0	92.3	1 510	91.7
	41	75.0	15.0	10.0	0.0	0.0	11.8	86.7	1 242	92.3
5363 Industrial and administrative										
engineering	5	80.0	0.0	20.0	0.0	0.0	20.0	100.0	1 859	100.0
5368 Mining engineering										
	10	28.6	57.1	0.0	14.3	0.0	0.0	100.0	X	50.0
5375 Forest engineering, forestry	7	50.0	33.3	16.7	00	0.0	25.0	100.0	1 147	100.0
or wood science										
	7	50.0	33.3	0.0	16.7	0.0	0.0	100.0	871	100.0
SOCIAL SCIENCES	310	88.9	5.5	1.8	2.3	1.4	2.0	77.2	1 287	95.3
	324	79.6	8.0	3.5	2.0	7.0	4.2	74.4	1 197	91.6
5400 0 1 1	248	75.0	15.0	5.0	1.3	3.8	6.3	81.7	1 114	89.8
5420 Psychology	162	91.9	2.4	0.8	4.1	0.8	0.9	69.9	1 277	98.7
	161	82.1	5.7	0.9	3.8	7.5	1.1	69.0	1 220	93.3
5432 Anthropology	93	76.6 85.7	17.2 14.3	0.0	0.0	3.1 0.0	0.0	83.7 100.0	1 045 1 167	100.0
3432 Anthropology	11	65./	14.5	0.0	0.0	0.0	0.0	100.0	1 10/	100.0
5435 History	11	75.0	25.0	0.0	0.0	0.0	0.0	100.0	1 396	66.7
	23	71.4	7.1	7.1	0.0	14.3	9.1	60.0	1 140	66.7
	21	81.3	0.0	12.5	0.0	6.3	13.3	69.2	1 063	88.9
5436 Geography	18	81.8	18.2	0.0	0.0	0.0	0.0	88.9	909	100.0
	17	61.5	30.8	0.0	7.7	0.0	0.0	87.5	937	71.4

5437 Political science	19	100.0	0.0	0.0	0.0	0.0	0.0	92.3	1 434	100.0
5420 6 1 1	15	100.0	0.0	0.0	0.0	0.0	0.0	77.8	969	85.7
5438 Sociology										
	16	36.4	27.3	9.1	0.0	27.3	20.0	50.0	x	50.0
5444 Urban studies	10	62.5	12.5	25.0	0.0	0.0	28.6	100.0	1 393	100.0
	7	100.0	0.0	0.0	0.0	0.0	0.0	100.0	1 093	100.0
5445 Demography	6	100.0	0.0	0.0	0.0	0.0	0.0	100.0	1 245	75.0
5494 Social sciences and humanities										
	9	50.0	50.0	0.0	0.0	0.0	0.0	66.7	Х	50.0
5495 Philosophy	6	100.0	0.0	0.0	0.0	0.0	0.0	80.0	1 485	100.0
	20	80.0	6.7	6.7	0.0	6.7	7.7	83.3	1 073	100.0
5498 Religious studies or theology										
	23	77.8	0.0	11.1	0.0	11.1	12.5	57.1	677	87.5
LANGUAGES AND LITERATURE	54	82.9	2.9	11.4	2.9	0.0	12.1	75.9	1 201	95.5
	52	84.2	7.9	2.6	0.0	5.3	3.0	84.4	1 261	88.9
	67	77.8	8.9	8.9	2.2	2.2	10.3	74.3	1 071	100.0
5585 Linguistics (phonetics. semantics.	8	100.0	0.0	0.0	0.0	0.0	0.0	100.0	1 382	100.0
philology)	13	75.0	0.0	0.0	0.0	25.0	0.0	100.0	1 431	100.0
5590 French literature or French,	24	81.3	6.3	12.5	0.0	0.0	13.3	69.2	1 084	88.9
language of instruction	26	81.8	13.6	4.5	0.0	0.0	5.3	83.3	1 175	86.7
	27	76.2	9.5	9.5	4.8	0.0	11.1	75.0	1 053	100.0
5594 English literature or English,										
language of instruction		00.0		4.5			44.7		4.050	4000
	9	83.3	0.0	16.7	0.0	0.0	16.7	60.0	1 250	100.0

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SITUATION IN 2012			SI	TUATION IN JANUAR	r			FULL-TIME EMPLOYMENT AND RELATED ASPECTS		
SITUATION IN 2010 SITUATION IN 2005	TARGET GRADUATES	EMPLOYED	POST-DOCTORAL FELLOWS	SEEKING EMPLOYMENT	STUDYING	INACTIVE	UNEMPLOYMENT RATE	WORKING FULL TIME	AVERAGE GROSS WEEKLY SALARY	WORKING IN RELATED FIELD
	N	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(\$)	(%)
LAW	16	81.8	9.1	9.1	0.0	0.0	10.0	100.0	1 639	100.0
5600 Law	16	81.8	9.1	9.1	0.0	0.0	10.0	100.0	1 639	100.0
EDUCATION SCIENCES	50	90.9	3.0	0.0	6.1	0.0	0.0	90.0	1 455	92.6
	46 46	90.9 90.6	6.1	3.0 0.0	0.0	0.0 3.1	3.2 0.0	96.7 86.2	1 447 1 159	100.0 92.0
5700 Multidisciplinary studies	31	85.7	4.8	0.0	9.5	0.0	0.0	94.4	1 467	100.0
in education	32	91.3	8.7	0.0	0.0	0.0	0.0	100.0	1 468	100.0
	32	92.3	3.8	0.0	0.0	3.8	0.0	87.5	1 091	90.5
5702 Didactics (teaching art)	12	100.0	0.0	0.0	0.0	0.0	0.0	87.5	1 341	71.4
	11	88.9	0.0	11.1	0.0	0.0	11.1	87.5	1 430	100.0
BUSINESS ADMINISTRATION	51	86.2	3.4	6.9	3.4	0.0	7.4	92.0	1 738	100.0
	50 42	84.0 100.0	4.0 0.0	4.0 0.0	4.0 0.0	4.0 0.0	4.5 0.0	90.5 92.6	1 578 1 450	84.2 100.0
5800 Business administration	46	88.0	4.0	4.0	4.0	0.0	4.3	90.9	1 768	100.0
	34	93.8	0.0	0.0	6.3	0.0	0.0	86.7	1 596	84.6
	36	100.0	0.0	0.0	0.0	0.0	0.0	91.3	1 487	100.0
ARTS	29	61.1	5.6	16.7	11.1	5.6	21.4	54.5	1 214	100.0
	30	75.0	10.0	5.0	5.0	5.0	6.3	46.7	1 050	85.7
5900 Fine arts or applied artss										
	8	83.3	0.0	16.7	0.0	0.0	16.7	60.0	1 731	100.0

5903 Art history	6	50.0	16.7	0.0	16.7	16.7	66.7	0.0	Х	100.0
	6	80.0	20.0	0.0	0.0	0.0	0.0	75.0	1 163	66.7
5905 Music										
	20	66.7	8.3	8.3	8.3	8.3	11.1	37.5	974	100.0
MULTIDISCIPLINARY STUDIES										
MULTIDISCIPLINARY STUDIES	16	63.6	27.3	9.1	0.0	0.0	12.5	85.7	1 075	100.0
MULTIDISCIPLINARY STUDIES	16	63.6	27.3	9.1	0.0	0.0	12.5	85.7	1 075	100.0
8076 Environment (quality of	16	63.6 83.3	27.3 16.7	9.1 0.0	0.0	0.0	12.5	85.7 100.0	1 075	100.0

NOTES

- 1. Given the confidential nature of the data and a concern for ensuring the anonymity of respondents, results for disciplines for which the number of graduates is less than five are not presented here. A list of these disciplines may be consulted in the survey report.
- 2. The results for which the response rate does not meet publication requirements are not presented here. A list of these disciplines may be consulted in the survey report.
- 3. Due to the small number of graduates in certain disciplines, results in such cases should be interpreted with caution.
- 4. Results regarding the disciplines are presented according to the discipline codes established by MESRST.
- 5. The abbreviation "na" indicates that the data are not available.
- 6. An "x" indicates that the data must remain confidential.

www.mesrst.gouv.qc.ca/Relance www.mels.gouv.qc.ca/Relance





