



# GRAD SURVEY

SURVEY CONDUCTED: 2014 | PARTICIPANTS' GRADUATING YEAR: 2012 | PUBLISHED: SEPTEMBER 2015

## Ontario university graduates are getting well-paying jobs in their fields

The latest Ontario government survey of graduates from undergraduate programs shows 94 per cent have secured employment two years after graduation. The average salary for university bachelor's degree graduates in full-time jobs was \$49,001 two years after graduation, up from the average \$42,301 six months after graduation.

The survey of Ontario university students who graduated in 2012, conducted for the Ministry of Training, Colleges and Universities, concludes that university graduates get jobs related to their education.

The best path to career success for Ontario students is still a university degree.

### EMPLOYMENT RATES

- Six months after graduation, the average employment rate for graduates of university undergraduate programs was 87.6 per cent.
- Two years after graduation, it rose to 93.6 per cent, with employment rates in many programs over 95 per cent.

### EARNINGS

- Six months after graduation, the average annual salary for graduates of undergraduate degree programs was \$42,301.
- Two years after graduation, the average annual salary for graduates of undergraduate degree programs was \$49,001.

### SKILLS MATCH

- Six months after graduation, 83.2 per cent of graduates employed full-time considered their work either closely or somewhat related to the skills developed at university.
- Two years after graduation, 89.1 per cent of graduates employed full-time considered their work either closely or somewhat related to the skills developed at university.

### SUBJECT MATTER MATCH

- Six months after graduation, 72.6 per cent of graduates employed full-time considered their work either closely or somewhat related to the subject matter of their program of study.
- Two years after graduation, 77.9 per cent of graduates employed full-time considered their work either closely or somewhat related to the subject matter of their program of study.

In all, 76,625 students who graduated from undergraduate programs at Ontario universities in 2012 were surveyed, with 28,448 or 35.3 per cent responding. The annual survey was conducted by CCI Research Inc. between November 2014 and March 2015.

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## EMPLOYMENT RATES\* OF 2012 GRADUATES BY PROGRAM AREA

PROGRAM AREA	SIX MONTHS AFTER 2012 GRADUATION (%)	TWO YEARS AFTER 2012 GRADUATION (%)
Agricultural & Biological Sciences	82.0	91.4
Architecture & Landscape Architecture	86.0	91.2
Business & Commerce	89.4	96.1
Computer Science	88.9	95.9
Dentistry	100.0	94.7
Education	87.8	95.6
Engineering	88.1	94.0
Fine & Applied Arts	85.0	92.4
Food Science & Nutrition	88.4	91.4
Forestry	80.0	90.9
Health Professions <sup>1</sup>	81.7	92.9
Humanities	87.3	91.9
Journalism	86.2	93.6
Kinesiology/Recreation/Phys-Ed <sup>2</sup>	91.4	93.0
Law	90.8	91.5
Mathematics	85.7	90.9
Medicine	100.0	99.5
Nursing	92.2	98.1
Optometry	100.0	100.0
Other Arts & Science <sup>3</sup>	85.7	91.8
Pharmacy	95.5	98.7
Physical Sciences	85.2	90.1
Social Sciences	86.3	91.9
Theology	87.5	96.2
Therapy & Rehabilitation	100.0	81.8
Veterinary Medicine	97.7	100.0
Overall Average	87.6	93.6

\*Graduates were considered working full-time if they identified themselves as working 30 hours or more per week. This is consistent with Statistics Canada's definition of full time work.

<sup>1</sup>"Health Professions" includes students enrolled in Basic Medical Science programs, Medical Specialties, Paraclinical Sciences, Epidemiology and Public Health, and Medical Technology. Medical Interns have been excluded.

<sup>2</sup>"Kinesiology, Recreation and Phys-Ed" also includes students enrolled in programs in non-teaching fields.

<sup>3</sup>"Other Arts and Science" includes students enrolled in general Arts and Science majors not specified by other categories or unspecified.

## AVERAGE ANNUAL SALARIES<sup>4</sup> OF 2012 GRADUATES EMPLOYED FULL-TIME

PROGRAM AREA	SIX MONTHS AFTER 2012 GRADUATION (\$)	TWO YEARS AFTER 2012 GRADUATION (\$)
Agricultural & Biological Sciences	30,794	39,391
Architecture & Landscape Architecture	35,136	42,052
Business & Commerce	45,450	53,286
Computer Science	57,146	66,677
Dentistry	89,723	99,839
Education	37,858	43,787
Engineering	58,331	65,265
Fine & Applied Arts	27,807	34,695
Food Science & Nutrition	32,866	40,439
Forestry	46,667	53,889
Health Professions <sup>5</sup>	43,014	50,320
Humanities	31,741	38,399
Journalism	29,000	38,734
Kinesiology/Recreation/Phys-Ed <sup>6</sup>	29,953	39,681
Law	59,673	73,470
Mathematics	47,986	56,776
Medicine	59,323	71,123
Nursing	56,839	61,745
Optometry	75,770	89,706
Other Arts & Science <sup>7</sup>	39,169	46,322
Pharmacy	81,963	89,461
Physical Sciences	39,110	45,107
Social Sciences	35,373	42,105
Theology	36,035	39,359
Therapy & Rehabilitation	55,001	48,334
Veterinary Medicine	63,293	77,001
Average Salary	42,301	49,001

<sup>4</sup> Imputed average using midpoint of range.

<sup>5</sup> "Health Professions" includes students enrolled in Basic Medical Science programs, Medical Specialties, Paraclinical Sciences, Epidemiology and Public Health, and Medical Technology. Medical Interns have been excluded.

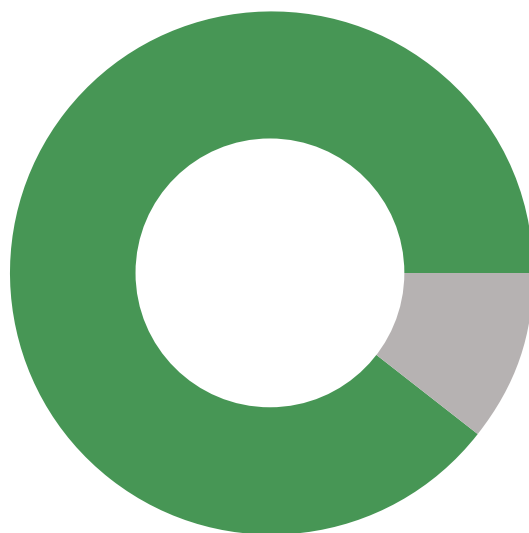
<sup>6</sup> "Kinesiology/Recreation/Phys-Ed" also includes students enrolled in programs in non-teaching fields.

<sup>7</sup> "Other Arts and Science" includes students enrolled in general Arts and Science majors not specified by other categories or unspecified.

## RELATIONSHIP BETWEEN JOB AND SKILLS DEVELOPED AT UNIVERSITY, 2012

- Survey results indicate skills developed by graduates of Ontario universities are being applied in the workplace.
- Six months after graduation in 2012, 83.2 per cent of respondents working full-time considered their work “closely” (50.4 per cent) or “somewhat” (32.8 per cent) related to the skills developed at university.
- Two years after graduation in 2012, 89.1 per cent of respondents working full-time considered their work “closely” (57.5 per cent) or “somewhat” (31.6 per cent) related to the skills developed at university.
- Over 97 per cent of respondents who graduated in professional programs reported that their work was closely or somewhat related to the skills developed at university two years after graduation. Approximately 87 per cent of respondents who graduated in humanities and social science programs reported that their work was closely or somewhat related to the skills developed at university two years after graduation.

### Skills Match of University Graduates (Two Years After Graduation)



89.1%

CLOSELY OR SOMEWHAT RELATED

10.8%

NOT RELATED

### Skills Match of University Graduates (Six Months After Graduation)



83.2%

CLOSELY OR SOMEWHAT RELATED

16.6%

NOT RELATED

Note that the percentages do not necessarily add to 100 per cent because not all respondents expressed an opinion on this question.

## RELATIONSHIP BETWEEN JOB AND SUBJECT MATTER OF THE PROGRAM OF STUDY, 2012

- Survey results indicate subject matter of the program of study acquired by graduates of Ontario universities are being applied in the workplace.
- Six months after graduation in 2012, 72.6 per cent of respondents working full-time considered their work “closely” (46.5 per cent) or “somewhat” (26.1 per cent) related to the subject matter of their program of study.
- Two years after graduation in 2012, 77.9 per cent of respondents working full-time considered their work “closely” (50.0 per cent) or “somewhat” (27.9 per cent) related to the subject matter of their program of study.
- About 95 per cent of respondents who graduated in professional programs reported that their work was closely or somewhat related to the subject matter of their program of study 2 years after graduation. About 73 per cent of respondents who graduated in humanities and social science programs reported that their work was closely or somewhat related to the subject matter of their program of study 2 years after graduation.

### Subject Matter Match of University Graduates (Two Years After Graduation)



**77.9%**

CLOSELY OR SOMEWHAT RELATED

**21.9%**

NOT RELATED

### Subject Matter Match of University Graduates (Six Months After Graduation)



**72.6%**

CLOSELY OR SOMEWHAT RELATED

**27.2%**

NOT RELATED

Note that the percentages do not necessarily add to 100 per cent because not all respondents expressed an opinion on this question.

## EMPLOYMENT RATES\* BY PROGRAM AREA OVER SEVEN YEARS

PROGRAM AREA	TWO YEARS AFTER 2006 GRADUATION (%)	TWO YEARS AFTER 2007 GRADUATION (%)	TWO YEARS AFTER 2008 GRADUATION (%)	TWO YEARS AFTER 2009 GRADUATION (%)	TWO YEARS AFTER 2010 GRADUATION (%)	TWO YEARS AFTER 2011 GRADUATION (%)	TWO YEARS AFTER 2012 GRADUATION (%)
Agricultural & Biological Sciences	94.1	91.8	89.9	90.2	89.5	89.2	91.4
Architecture & Landscape Architecture	97.5	91.8	96.4	96.1	92.6	93.1	91.2
Business & Commerce	96.5	96.5	94.9	95.6	94.8	94.9	96.1
Computer Science	95.3	97.0	95.8	96.2	95.3	96.5	95.9
Dentistry	100.0	100.0	100.0	97.4	100.0	100.0	94.7
Education	97.3	97.1	95.8	94.1	92.8	94.4	95.6
Engineering	96.0	94.6	94.9	93.8	93.8	94.1	94.0
Fine & Applied Arts	94.2	92.6	93.5	90.4	91.0	91.6	92.4
Food Science & Nutrition	98.5	93.4	93.8	95.0	90.2	94.9	91.4
Forestry	100.0	100.0	100.0	100.0	100.0	100.0	90.9
Health Professions <sup>8</sup>	95.4	95.7	93.9	93.4	91.4	93.0	92.9
Humanities	93.4	93.4	90.9	90.7	90.4	91.2	91.9
Journalism	98.3	93.2	95.2	93.3	95.9	92.2	93.6
Kinesiology/Recreation/Phys-Ed <sup>9</sup>	95.3	97.2	93.4	94.4	91.7	92.0	93.0
Law	97.0	94.0	94.4	94.5	93.9	93.9	91.5
Mathematics	98.2	95.6	91.6	93.1	92.2	92.1	90.9
Medicine	100.0	100.0	99.3	99.1	98.9	99.0	99.5
Nursing	99.8	99.6	99.0	98.9	97.6	97.4	98.1
Optometry	100.0	100.0	100.0	97.0	100.0	100.0	100.0
Other Arts & Science <sup>10</sup>	93.2	96.0	92.6	90.2	91.0	91.0	91.8
Pharmacy	100.0	98.1	98.6	98.9	100.0	97.2	98.7
Physical Sciences	92.2	93.1	93.7	89.5	89.0	89.8	90.1
Social Sciences	95.4	94.2	92.5	91.2	89.8	91.3	91.9
Theology	90.0	100.0	100.0	100.0	100.0	90.6	96.2
Therapy & Rehabilitation	100.0	100.0	96.0	100.0	na	100.0	81.8
Veterinary Medicine	100.0	100.0	97.6	100.0	100.0	100.0	100.0
Overall Annual Average	95.7	95.2	93.8	93.1	92.2	93.0	93.6

\* Graduates were considered working full-time if they identified themselves as working 30 hours or more per week. This is consistent with Statistics Canada's definition of full time work.

<sup>8</sup> "Health Professions" includes students enrolled in Basic Medical Science programs, Medical Specialties, Paraclinical Sciences, Epidemiology and Public Health, and Medical Technology. Medical Interns have been excluded.

<sup>9</sup> "Kinesiology, Recreation and Phys-Ed" also includes students enrolled in programs in non-teaching fields.

<sup>10</sup> "Other Arts and Science" includes students enrolled in general Arts and Science majors not specified by other categories or unspecified.

## EMPLOYMENT RATES, SKILLS AND SUBJECT MATTER MATCH AND AVERAGE ANNUAL SALARIES OVER SEVEN YEARS

	YEAR GRADUATED						
	2006	2007	2008	2009	2010	2011	2012
<b>Employment Rates</b>							
Six Months After Graduation	94.1%	93.6%	91.7%	87.5%	86.5%	87.4%	87.6%
Two Years After Graduation	95.7%	95.2%	93.8%	93.1%	92.2%	93.0%	93.6%
<b>Skills and Subject Matter Match</b>							
<b>Skills Match</b> – When students find that the skills they gained in their programs match the skills they need at work. This series was discontinued in 2011.							
Six Months After Graduation	79.1%	78.0%	77.7%	76.3%	76.4%	-	-
Two Years After Graduation	85.0%	84.1%	83.5%	82.3%	82.3%	-	-
<b>Skills Match</b> – When students find that the skills they developed at university are related to their work. This series started in 2011.							
Six Months After Graduation	-	-	-	-	-	82.7%	83.2%
Two Years After Graduation	-	-	-	-	-	88.6%	89.1%
<b>Subject Matter Match</b> – When students find that the subject matter of the program of study match the skills they need at work. This series started in 2011.							
Six Months After Graduation	-	-	-	-	-	72.8%	72.6%
Two Years After Graduation	-	-	-	-	-	78.0%	77.9%
<b>Average Annual Salary</b>							
Six Months After Graduation	\$41,699	\$42,048	\$42,904	\$42,403	\$42,668	\$42,636	\$42,301
Two Years After Graduation	\$49,468	\$49,164	\$49,469	\$49,151	\$49,277	\$49,398	\$49,001

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