



# GRAD SURVEY

SURVEY CONDUCTED: 2015 | PARTICIPANTS' GRADUATING YEAR: 2013 | PUBLISHED: NOVEMBER 2016

## ONTARIO UNIVERSITY GRADUATES ARE SECURING WELL-PAYING JOBS IN THEIR FIELDS

As the world continues to change at a rapid pace, the future remains bright for university graduates. With a growing need for a skilled and adaptable workforce to contribute to the betterment of our businesses, our communities and our province, university-educated graduates are using the advanced knowledge and skills they learn at university to get well-paying jobs in their fields soon after graduation.

The latest Ontario government survey of graduates from undergraduate programs shows that almost 94 per cent have secured employment two years after graduation. The average salary for university bachelor's degree graduates in full-time jobs was \$49,170 two years after graduation, up from the average salary of \$41,839 six months after graduation.

The survey of Ontario university students who graduated in 2013, conducted for the Ministry of Advanced Education and Skills Development, concludes that university graduates get jobs related to their education.

By giving graduates the advanced skills they need, Ontario's universities are helping the province unlock the full potential of Ontario's future and all who live here.

### EMPLOYMENT RATES

- Six months after graduation, the average employment rate for graduates of undergraduate programs was 87 per cent.
- Two years after graduation, it rose to 93.6 per cent.

### EARNINGS

- Six months after graduation, the average annual salary for graduates employed full time was \$41,839.
- Two years after graduation, the average annual salary for graduates employed full time was \$49,170.

### SKILLS MATCH

- Six months after graduation, 83.3 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, 72.3 per cent of graduates employed full time considered their work either closely or somewhat related to the subject matter of their program.
- 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.

In all, 83,654 students who graduated from undergraduate programs at Ontario's universities in 2013 were surveyed, with 34,011 or 40.7 per cent responding. The annual survey was conducted by CCI Research Inc. between November 2015 and March 2016.

## EMPLOYMENT RATES OF 2013 GRADUATES BY PROGRAM

PROGRAM AREA	SIX MONTHS AFTER 2013 GRADUATION (%)	TWO YEARS AFTER 2013 GRADUATION (%)
Agricultural & Biological Sciences	80.4	90.0
Architecture & Landscape Architecture	88.8	92.2
Business & Commerce	88.4	95.5
Computer Science	91.4	95.9
Dentistry	93.1	98.1
Education	89.2	96.2
Engineering	85.0	92.8
Fine & Applied Arts	86.1	92.6
Food Science & Nutrition	85.9	93.4
Forestry	83.3	100.0
Health Professions <sup>1</sup>	82.5	90.2
Humanities	87.5	91.9
Journalism	81.9	90.8
Kinesiology/Recreation/Phys-Ed <sup>2</sup>	90.5	92.5
Law	91.7	91.9
Mathematics	84.8	94.2
Medicine	99.6	100.0
Nursing	89.4	97.4
Optometry	97.6	100.0
Other Arts & Science <sup>3</sup>	87.6	92.7
Pharmacy	94.7	98.4
Physical Sciences	77.8	90.2
Social Sciences	85.2	92.6
Theology	86.7	91.7
Therapy & Rehabilitation	100.0	92.9
Veterinary Medicine	100.0	98.0
<b>Overall Average</b>	<b>87.0</b>	<b>93.6</b>

<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 those enrolled in non-teaching fields.

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

Note: 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.

## AVERAGE ANNUAL SALARIES OF 2013 GRADUATES EMPLOYED FULL TIME

PROGRAM AREA	SIX MONTHS AFTER 2013 GRADUATION (\$)	TWO YEARS AFTER 2013 GRADUATION (\$)
Agricultural & Biological Sciences	30,783	40,958
Architecture & Landscape Architecture	35,455	44,874
Business & Commerce	45,252	53,568
Computer Science	56,323	67,100
Dentistry	80,209	91,531
Education	37,088	43,063
Engineering	57,829	64,571
Fine & Applied Arts	28,119	35,194
Food Science & Nutrition	30,622	41,641
Forestry	45,001	50,001
Health Professions <sup>1</sup>	42,900	53,202
Humanities	31,297	38,305
Journalism	30,811	40,239
Kinesiology/Recreation/Phys-Ed <sup>2</sup>	30,571	39,969
Law	58,369	73,108
Mathematics	48,258	56,663
Medicine	57,132	69,881
Nursing	56,098	61,929
Optometry	68,514	90,385
Other Arts & Science <sup>3</sup>	39,064	44,767
Pharmacy	79,867	88,715
Physical Sciences	38,188	44,091
Social Sciences	34,983	41,930
Theology	53,126	50,001
Therapy & Rehabilitation	37,000	41,251
Veterinary Medicine	62,210	77,084
<b>Average Salary</b>	<b>41,839</b>	<b>49,170</b>

Average salaries are inputted using the mid-point of ranges in the survey.

<sup>1</sup> Health Professions includes those 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/Phys-Ed also includes those enrolled in non-teaching fields.

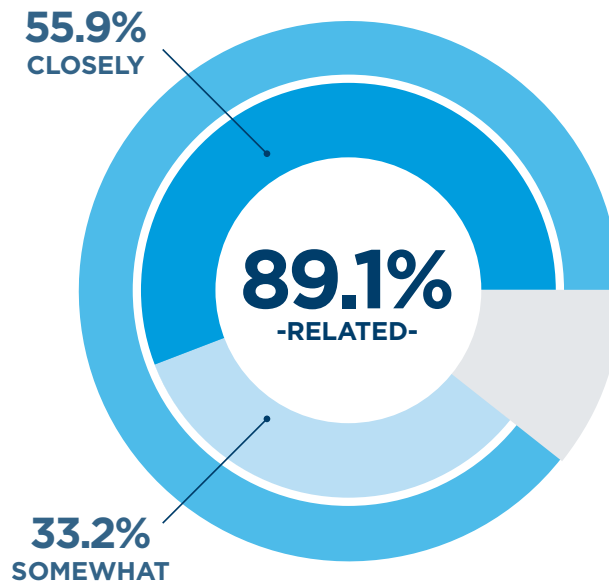
<sup>3</sup> Other Arts & Science includes students enrolled in General Arts and Science majors not specified by other categories or unspecified.

## RELATIONSHIP BETWEEN JOB AND SKILLS DEVELOPED AT UNIVERSITY

- Survey results indicate skills developed by graduates of Ontario universities are being applied in the workplace.
- Six months after graduation in 2013, 83.3 per cent of respondents working full time considered their work closely or somewhat related to the skills developed at university.
- Two years after graduation in 2013, 89.1 per cent of respondents working full time considered their work closely or somewhat related to the skills developed at university.

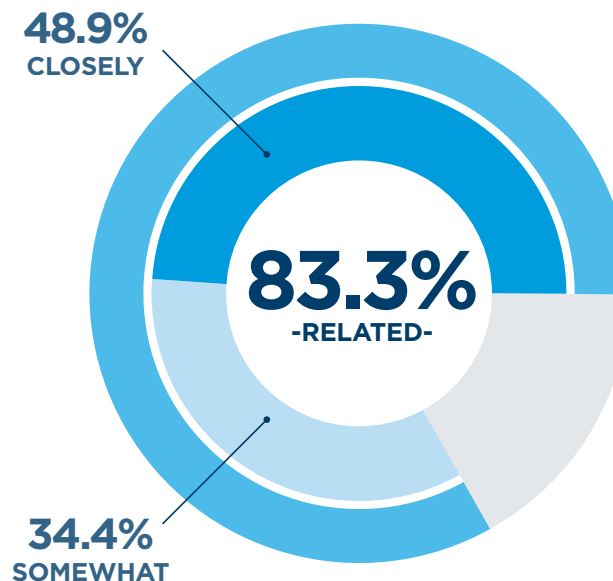
### Skills Match of University Graduate Employment

(Two Years After Graduation)



### Skills Match of University Graduate Employment

(Six Months After Graduation)

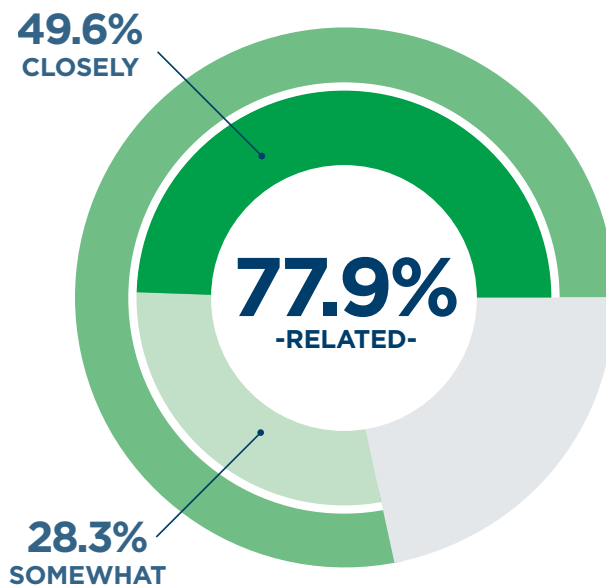


## RELATIONSHIP BETWEEN JOB AND SUBJECT MATTER

- 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 2013, 72.3 per cent of respondents working full time considered their work closely or somewhat related to the subject matter of their program of study.
- Two years after graduation in 2013, 77.9 per cent of respondents working full time considered their work closely or somewhat related to the subject matter of their program.

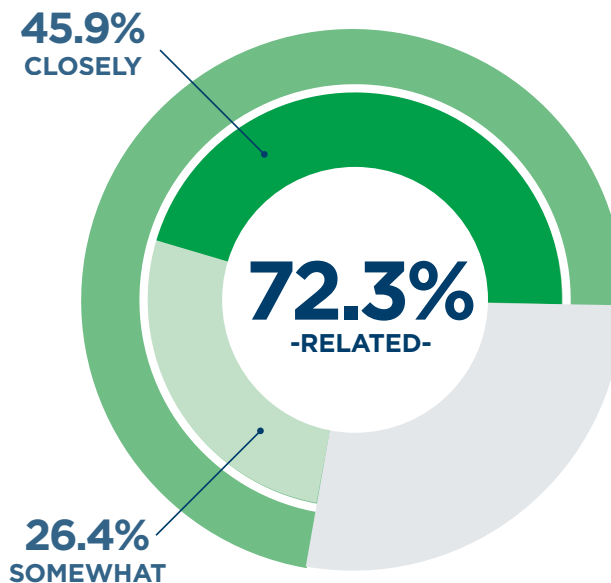
### Subject Matter Match of University Graduate Employment

(Two Years After Graduation)



### Subject Matter Match of University Graduate Employment

(Six Months After Graduation)



## EMPLOYMENT RATES BY PROGRAM AREA OVER EIGHT 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 (%)	TWO YEARS AFTER 2013 GRADUATION (%)
Agricultural & Biological Sciences	94.1	91.8	89.9	90.2	89.5	89.2	91.4	90.0
Architecture & Landscape Architecture	97.5	91.8	96.4	96.1	92.6	93.1	91.2	92.2
Business & Commerce	96.5	96.5	94.9	95.6	94.8	94.9	96.1	95.5
Computer Science	95.3	97.0	95.8	96.2	95.3	96.5	95.9	95.9
Dentistry	100.0	100.0	100.0	97.4	100.0	100.0	94.7	98.3
Education	97.3	97.1	95.8	94.1	92.8	94.4	95.6	96.2
Engineering	96.0	94.6	94.9	93.8	93.8	94.1	94.0	92.8
Fine & Applied Arts	94.2	92.6	93.5	90.4	91.0	91.6	92.4	92.6
Food Science & Nutrition	98.5	93.4	93.8	95.0	90.2	94.9	91.4	93.4
Forestry	100.0	100.0	100.0	100.0	100.0	100.0	90.9	100.0
Health Professions <sup>1</sup>	95.4	95.7	93.9	93.4	91.4	93.0	92.9	90.2
Humanities	93.4	93.4	90.9	90.7	90.4	91.2	91.9	91.9
Journalism	98.3	93.2	95.2	93.3	95.9	92.2	93.6	90.8
Kinesiology/Recreation/Phys-Ed <sup>2</sup>	95.3	97.2	93.4	94.4	91.7	92.0	93.0	92.5
Law	97.0	94.0	94.4	94.5	93.9	93.9	91.5	91.9
Mathematics	98.2	95.6	91.6	93.1	92.2	92.1	90.9	94.2
Medicine	100.0	100.0	99.3	99.1	98.9	99.0	99.5	100.0
Nursing	99.8	99.6	99.0	98.9	97.6	97.4	98.1	97.4
Optometry	100.0	100.0	100.0	97.0	100.0	100.0	100.0	100.0
Other Arts & Science <sup>3</sup>	93.2	96.0	92.6	90.2	91.0	91.0	91.8	92.7
Pharmacy	100.0	98.1	98.6	98.9	100.0	97.2	98.7	98.4
Physical Sciences	92.2	93.1	93.7	89.5	89.0	89.8	90.1	90.2
Social Sciences	95.4	94.2	92.5	91.2	89.8	91.3	91.9	92.6
Theology	90.0	100.0	100.0	100.0	100.0	90.6	96.2	91.7
Therapy & Rehabilitation	100.0	100.0	96.0	100.0	na	100.0	81.8	92.9
Veterinary Medicine	100.0	100.0	97.6	100.0	100.0	100.0	100.0	98.0
<b>Overall Annual Average</b>	<b>95.7</b>	<b>95.2</b>	<b>93.8</b>	<b>93.1</b>	<b>92.2</b>	<b>93.0</b>	<b>93.6</b>	<b>93.6</b>

Note that historical information is taken from the "2013 Graduate Survey" report available on the Council of Ontario Universities Website

<sup>1</sup> Health Professions includes those 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/Phys-Ed also includes those enrolled in non-teaching fields.

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

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

	YEAR GRADUATED							
	2006	2007	2008	2009	2010	2011	2012	2013

### Employment Rates

Six Months After Graduation	94.1%	93.6%	91.7%	87.5%	86.5%	87.4%	87.6%	87.0%
Two Years After Graduation	95.7%	95.2%	93.8%	93.1%	92.2%	93.0%	93.6%	93.6%

### Skills Match (Employed full time)<sup>1</sup>

Six Months After Graduation	79.1%	78.0%	77.7%	76.3%	76.4%	82.7%	83.2%	83.3%
Two Years After Graduation	85.0%	84.1%	83.5%	82.3%	82.3%	88.6%	89.1%	89.1%

### Subject Matter Match (Employed full time)

Six Months After Graduation	-	-	-	-	-	72.8%	72.6%	72.3%
Two Years After Graduation	-	-	-	-	-	78.0%	77.9%	77.9%

### Average Annual Salary (Employed full time)

Six Months After Graduation	\$41,699	\$42,048	\$42,904	\$42,403	\$42,668	\$42,636	\$42,301	\$41,839
Two Years After Graduation	\$49,468	\$49,164	\$49,469	\$49,151	\$49,277	\$49,398	\$49,001	\$49,170

Note that historical information is taken from the "2012 Graduate Survey" report available on the Council of Ontario Universities Website.

<sup>1</sup> Question wording changed to "How closely was your work related to the skills you developed at university (such as critical thinking, analytical, communication, problem solving)?" for 2011-2013 surveys. Question wording for 2006-2010 surveys was "How closely was your work related to the skills you acquired through the program of study you completed in [YEAR]?"

## THE FUTURE LOOKS BRIGHT FOR UNIVERSITY GRADUATES

Ontario's university graduates go on to enjoy a lifetime of positive employment outcomes. The best path to career success is still a university degree.

For the economic, social and cultural success of this province, it's crucial to build up the talent and skills of young people, and to connect them with potential employers and future jobs. Ontario's universities are doing just that – partnering with businesses, communities and our province to help shape a brighter tomorrow for graduates and all who live here.

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