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

The latest Ontario government survey of graduates shows 93 per cent have secured employment two years after graduation. The average salary for university graduates in full-time jobs was \$49,398 two years after graduation, up from the average \$42,636 six months after graduation.

The survey of Ontario university students who graduated in 2011, 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 87.4 per cent.
- Two years after graduation, it rose to 93.0 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 \$42,636.
- Two years after graduation, the average annual salary for graduates of undergraduate degree programs was \$49,398.

### SKILLS MATCH

- Six months after graduation, 82.7 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, 88.6 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, 72.8 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, 78.0 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, 72,429 students who graduated from undergraduate programs at Ontario universities in 2011 were surveyed, with 25,119 or 34.7 per cent responding. The annual survey was conducted by CCI Research Inc. between November 2013 and March 2014.

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## EMPLOYMENT RATES\* OF 2011 GRADUATES BY PROGRAM AREA

PROGRAM AREA	SIX MONTHS AFTER 2011 GRADUATION (%)	TWO YEARS AFTER 2011 GRADUATION (%)
Agricultural & Biological Sciences	82.2	89.2
Architecture & Landscape Architecture	86.3	93.1
Business & Commerce	88.8	94.9
Computer Science	90.4	96.5
Dentistry	97.4	100.0
Education	86.8	94.4
Engineering	87.6	94.1
Fine & Applied Arts	85.9	91.6
Food Science & Nutrition	87.5	94.9
Forestry	95.7	100.0
Health Professions <sup>1</sup>	85.6	93.0
Humanities	86.0	91.2
Journalism	81.2	92.2
Kinesiology/Recreation/Phys-Ed <sup>2</sup>	91.6	92.0
Law	92.9	93.9
Mathematics	87.3	92.1
Medicine	100.0	99.0
Nursing	92.4	97.4
Optometry	100.0	100.0
Other Arts & Science <sup>3</sup>	87.1	91.0
Pharmacy	95.8	97.2
Physical Sciences	86.0	89.8
Social Sciences	85.5	91.3
Theology	82.7	90.6
Therapy & Rehabilitation	100.0	100.0
Veterinary Medicine	97.7	100.0
Overall Average	87.4	93.0

\* 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 2011 GRADUATES EMPLOYED FULL-TIME

PROGRAM AREA	SIX MONTHS AFTER 2011 GRADUATION (\$)	TWO YEARS AFTER 2011 GRADUATION (\$)
Agricultural & Biological Sciences	31,548	40,202
Architecture & Landscape Architecture	36,667	41,800
Business & Commerce	45,801	53,758
Computer Science	56,679	63,462
Dentistry	85,645	99,706
Education	38,853	45,040
Engineering	55,306	63,564
Fine & Applied Arts	30,737	35,993
Food Science & Nutrition	32,576	44,560
Forestry	37,941	55,000
Health Professions <sup>5</sup>	46,732	53,205
Humanities	31,925	38,109
Journalism	31,167	39,507
Kinesiology/Recreation/Phys-Ed <sup>6</sup>	30,636	38,458
Law	57,231	72,981
Mathematics	47,100	56,023
Medicine	54,727	65,333
Nursing	57,638	62,248
Optometry	78,600	91,000
Other Arts & Science <sup>7</sup>	40,714	46,948
Pharmacy	82,638	91,031
Physical Sciences	38,125	43,539
Social Sciences	35,784	42,149
Theology	51,296	48,889
Therapy & Rehabilitation	35,000	65,000
Veterinary Medicine	67,439	73,974
Average Salary	42,636	49,398

<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, 2011

- Survey results indicate skills developed by graduates of Ontario universities are being applied in the workplace.
- Six months after graduation in 2011, 82.7 per cent of respondents working full-time considered their work “closely” (50.9 per cent) or “somewhat” (31.8 per cent) related to the skills developed at university.
- Two years after graduation in 2011, 88.6 per cent of respondents working full-time considered their work “closely” (57.6 per cent) or “somewhat” (31.0 per cent) related to the skills developed at university.
- Over 95 per cent of respondents who graduated in professional programs reported that their work was closely or somewhat related to the skills developed at university. Approximately 76 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.

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



88.6%

CLOSELY OR SOMEWHAT RELATED

11.3%

NOT RELATED

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



82.7%

CLOSELY OR SOMEWHAT RELATED

17.3%

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, 2011

- 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 2011, 72.8 per cent of respondents working full-time considered their work “closely” (47.2 per cent) or “somewhat” (25.6 per cent) related to the subject matter of their program of study.
- Two years after graduation in 2011, 78 per cent of respondents working full-time considered their work “closely” (50.9 per cent) or “somewhat” (27.1 per cent) related to the subject matter of their program of study.
- Over 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. Conversely, approximately 60 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.

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



78.0%

CLOSELY OR SOMEWHAT RELATED

21.8%

NOT RELATED

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



72.8%

CLOSELY OR SOMEWHAT RELATED

27.1%

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

\* 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 SIX YEARS

	YEAR GRADUATED					
	2006	2007	2008	2009	2010	2011

### Employment Rates

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

### Ontario Youth Employment Rate<sup>11</sup> – The percentage employed in the Ontario labour force between the ages of 15 and 24.

15 to 24 years old	87.2%	87.9%	86.6%	83.9%	82.9%	83.8%
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### Skills and Subject Matter Match

#### Skills Match – 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%	-

#### Skills Match – 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%
Two Years After Graduation	-	-	-	-	-	88.6%

#### Subject Matter Match – 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%
Two Years After Graduation	-	-	-	-	-	78.0%

### Average Annual Salary

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

<sup>11</sup> Labour Force Survey, Statistics Canada. October averages for the years 2006 to 2011.

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