



## SASKATCHEWAN WAGE SURVEY 2013: PROFESSIONAL, SCIENTIFIC AND TECHNICAL SERVICES INDUSTRY SUMMARY

## BACKGROUND AND METHODOLOGY

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The Ministry of the Economy contracted Inshtrix Research Inc. to undertake the 2013 Saskatchewan Wage Survey to determine detailed wage information and job vacancy rates for common occupations in Saskatchewan. What follows is a summary report and detailed information provided by employers in the Professional, Scientific and Technical Services Industry. Data collection began on September 25, 2013, and ended December 31, 2013. Of the 1,544 employers who completed the 2013 Saskatchewan Wage Survey 2013, 324 operate in the Professional, Scientific and Technical Services Industry representing 2,274 employees.

**This report provides summary wage and job vacancy rate details for 45 occupations, based on data from *only* those employees who work within the Professional, Scientific and Technical Services Industry. Detailed wage and job vacancy rate results for these occupations can be found in a separate supplementary Professional, Scientific and Technical Services Industry report.**

The Professional, Scientific and Technical Services Industry contains the following industry sectors and subsectors (and related industry codes) based on the North American Industry Classification System (NAICS 2007):

- 541 Professional, Scientific and Technical Services
  - 5411 Legal Services
  - 5412 Accounting, Tax Preparation, Bookkeeping and Payroll Services
  - 5413 Architectural, Engineering and Related Services
  - 5414 Specialized Design Services
  - 5415 Computer Systems Design and Related Services
  - 5416 Management, Scientific and Technical Consulting Services
  - 5417 Scientific Research and Development Services
  - 5418 Advertising, Public Relations, and Related Services

- 5419 Other Professional, Scientific and Technical Services

Details regarding the methodology and overall results for all occupations across all industries are contained in the *Saskatchewan Wage Survey Report 2013: Methodology* and the *Saskatchewan Wage Survey Report 2013: Provincial Wage Results*.

## HOW TO INTERPRET THE WAGE DATA

The following term definitions are used to report on the occupational wage data contained in the full 2013 Wage Survey report:

Label	Interpretation
Mean	Equally weighted mean (average) reported hourly wage for that occupation. The mean is calculated as the average of all employees reported on, regardless of the relative size of employers reporting within the category.
Median	Midpoint of observed values; 50% of reported hourly wages are below this value and 50% are above

The table below illustrates the data grades for the wage and vacancy results.

Classification	Rating	Margin of Error Percentage
Excellent	A	0.0% – 4.9%
Good	B	5.0% - 9.9%
Fair	C	10.0% - 14.9%
Less Reliable	D	15.0% - 31.0%
Insufficient Data to Report	-	Greater than 31%

*Wages reported in the 2013 Saskatchewan Wage Survey are a reflection of the reported wages from participating employers at the time of the survey in September 2013 to December 2013. Other sources of wage information including the National Job Bank may list different wages for the same occupations. Employers applying for a Labour Market Impact Assessment (LMIA) in order to hire a Temporary Foreign Worker should use the National Job Bank median wage rate in any application (<http://www.jobbank.gc.ca/home-eng.do?lang=eng>), and not the wages reported in the 2013 Saskatchewan Wage Survey.*

## HOW TO INTERPRET THE JOB VACANCY DATA

Job vacancies include an absolute count (not full-time equivalents) of employees needed in positions that meet all three of the following conditions:

- i. A specific position exists;
- ii. Work may commence within 30 days; and
- iii. The employer is seeking employees from outside of this organization to fill the position.

The specific wording of the question was as follows:

- How many vacant positions do you currently have in this occupation, including both full and part-time positions?

If respondents did not hire any individuals in an occupation within the past two years, they were asked to indicate so. The vacancy rate for each occupation,  $R$ , is calculated using the formula  $= \frac{V}{V+F}$ , where  $V$  is the number of vacancies and  $F$  is the number of currently filled positions among all employers who completed the job vacancy section of the survey.

***Data may be suppressed within certain cells of the tables included in this report due to an insufficient data being provided by employers within this industry sector. In these cases, a "-" is inserted in the cell to indicate that the data has been suppressed.***

## SUMMARY OF OCCUPATIONS

The following table illustrates the wage and job vacancy rate results for occupations within the Professional, Scientific and Technical Services Industry that met the minimum reporting requirements. Data are sorted by four-digit National Occupation Classification (NOC) 2011 code.

NOC Code (2011)	Job Title	Number of Employers Reporting	Number of Employees Included	Wage Data Reliability Code	Mean (average) Wage	Median Wage	Vacancy Rate Reliability Code	Vacancy Rate
0013	Senior managers – financial, communications and other business services	12	31	D	\$65.17	\$70.97	D	0.0%
0014	Senior managers – health, education, social and community services and membership organizations	3	3	D	-	-	-	-
0111	Financial managers	8	15	D	\$60.69	\$50.90	D	9.1%
0124	Advertising, marketing and public relations managers	7	20	D	\$45.91	\$37.30	D	0.0%
0125	Other business services managers	3	12	D	\$34.83	\$34.75	D	9.1%
0211	Engineering managers	6	52	C	\$65.53	\$70.00	C	2.0%
0212	Architecture and science managers	3	23	D	\$61.70	\$57.51	D	0.0%
0213	Computer and information systems managers	9	112	B	\$50.12	\$50.24	D	0.0%
1111	Financial auditors and accountants	9	84	C	\$31.98	\$29.45	C	5.0%
1112	Financial and investment analysts	4	9	D	\$39.82	\$38.74	-	-
1121	Human resources professionals	8	42	D	\$38.37	\$38.26	D	0.0%
1122	Professional occupations in business management consulting	7	59	C	\$39.57	\$39.94	D	0.0%

NOC Code (2011)	Job Title	Number of Employers Reporting	Number of Employees Included	Wage Data Reliability Code	Mean (average) Wage	Median Wage	Vacancy Rate Reliability Code	Vacancy Rate
1123	Professional occupations in advertising, marketing and public relations	11	35	D	\$35.80	\$33.17	D	0.0%
1221	Administrative officers	14	40	D	\$23.72	\$21.47	D	0.0%
1222	Executive assistants	3	14	D	\$28.62	\$27.79	-	-
1225	Purchasing agents and officers	3	10	D	\$45.89	\$45.02	D	0.0%
1241	Administrative assistants	26	107	B	\$20.77	\$20.00	C	3.3%
1242	Legal administrative assistants	8	40	D	\$19.60	\$18.00	D	0.0%
1311	Accounting technicians and bookkeepers	17	101	B	\$20.82	\$20.00	B	6.5%
1411	General office support workers	16	83	C	\$22.91	\$21.00	C	0.0%
1414	Receptionists	11	17	D	\$17.25	\$18.00	D	13.3%
1431	Accounting and related clerks	15	37	D	\$24.44	\$22.00	D	0.0%
2131	Civil engineers	5	93	C	\$45.62	\$39.00	C	1.1%
2132	Mechanical engineers	5	122	B	\$49.30	\$48.75	B	1.8%
2133	Electrical and electronics engineers	4	82	C	\$48.73	\$43.27	C	5.1%
2134	Chemical engineers	4	18	D	\$55.71	\$58.45	D	0.0%
2151	Architects	3	20	D	\$37.60	\$37.77	D	0.0%
2171	Information systems analysts and consultants	8	124	B	\$37.19	\$38.36	D	19.2%
2172	Database analysts and data administrators	4	14	D	\$27.53	\$22.47	D	7.7%
2173	Software engineers and designers	5	113	B	\$45.97	\$46.69	D	0.0%
2174	Computer programmers and interactive media developers	7	70	C	\$29.82	\$28.29	C	0.0%
2231	Civil engineering technologists and technicians	4	91	C	\$38.50	\$32.55	C	1.1%
2232	Mechanical engineering technologists and technicians	5	83	C	\$43.12	\$41.00	C	7.4%

NOC Code (2011)	Job Title	Number of Employers Reporting	Number of Employees Included	Wage Data Reliability Code	Mean (average) Wage	Median Wage	Vacancy Rate Reliability Code	Vacancy Rate
2234	Construction estimators	3	11	D	\$49.74	\$51.00	D	10.0%
2241	Electrical and electronics engineering technologists and technicians	4	39	D	\$43.33	\$43.00	D	0.0%
2251	Architectural technologists and technicians	6	38	D	\$30.93	\$29.58	D	9.1%
2253	Drafting technologists and technicians	7	92	C	\$39.30	\$35.69	C	7.0%
2263	Inspectors in public and environmental health and occupational health and safety	4	5	D	\$36.18	\$34.28	-	-
2281	Computer network technicians	8	71	C	\$31.66	\$29.91	D	7.4%
2282	User support technicians	9	113	B	\$19.52	\$16.50	B	0.0%
3114	Veterinarians	4	18	D	\$49.62	\$55.00	D	0.0%
3213	Animal health technologists and veterinary technicians	4	45	C	\$36.50	\$34.65	C	2.3%
4112	Lawyers and Quebec notaries	11	27	D	\$49.69	\$46.15	D	14.3%
4161	Natural and applied science policy researchers, consultants and program officers	3	25	D	\$38.48	\$34.28	D	0.0%
4211	Paralegal and related occupations	4	14	D	\$20.93	\$21.00	-	-