

CTTAM

2013 Salary Survey

The 2013 CTTAM Salary Survey includes responses from Certified Engineering Technologists and Technicians as well as Associates, resulting in a survey that is meaningful to members and employers alike.

Thank you to all for contributing to this valuable service for the technical community.

Congratulations to **Jessica Cembroski, C.E.T.**, who was the winner of a \$250.00 gift card. Jessica's name was selected, based on a random draw of all respondents.

CTTAM 2013 Salary Survey Results**All Samples: 682**

Table 1 Current Employment Status			
Answer	Average	Median	Sample
Employee	\$75,729.98	\$75,000.00	637
Retired	\$0.00	\$0.00	23
Self-employed	\$91,578.95	\$75,000.00	19
Unemployed	\$30,000.00	\$30,000.00	3
Total			682

Table 2 Age			
Answer	Average	Median	Sample
30 - under	\$61,428.57	\$75,000.00	112
31 - 35	\$73,709.68	\$75,000.00	93
36 - 40	\$73,177.08	\$75,000.00	96
41 - 45	\$80,887.10	\$77,500.00	62
46 - 50	\$83,025.21	\$75,000.00	119
51 - 55	\$80,306.12	\$75,000.00	98
56 - 60	\$79,765.63	\$60,000.00	64
61 - 65	\$53,333.33	\$60,000.00	24
65 - 70	\$14,545.45	\$42,500.00	11
over 70	\$0.00	\$0.00	3
Total			682

Table 3 Education			
Answer	Average	Median	Sample
High School	\$69,000.00	\$70,000.00	5
Technical College Certificate	\$69,700.00	\$60,000.00	50
Technical College Diploma	\$75,241.31	\$60,000.00	518
University	\$66,651.38	\$60,000.00	109
Total			682

Table 4 Last Diploma/Degree Received			
Answer	Average	Median	Sample
in Manitoba	\$74,387.21	\$60,000.00	563
Outside Canada	\$55,948.28	\$52,500.00	58
Within Canada	\$81,065.57	\$60,000.00	61
Total			682

Table 5 CTTAM Membership Category			
Answer	Average	Median	Sample
Certified Technicians	\$68,737.86	\$60,000.00	103
Certified Technologists	\$76,409.52	\$60,000.00	525
Non-certified	\$53,240.74	\$75,000.00	54
Total			682

Table 6 Industry of Employment			
Answer	Average	Median	Sample
Advanced Technologies	\$72,142.86	\$75,000.00	14
Aerospace	\$74,843.75	\$82,500.00	32
Agriculture	\$83,888.89	\$80,000.00	9
Civil	\$72,604.17	\$77,500.00	48
Construction	\$69,830.51	\$75,000.00	59
Consulting Engineering	\$72,887.32	\$75,000.00	71
Government	\$74,153.85	\$77,500.00	130
Manufacturing (durables)	\$65,300.00	\$75,000.00	50
Manufacturing (non-durables)	\$78,214.29	\$75,000.00	14
Natural resource development	\$90,714.29	\$75,000.00	7
Natural resource processing	\$88,750.00	\$72,500.00	4
Other	\$67,903.23	\$75,000.00	31
Telecommunications	\$77,500.00	\$77,500.00	16
Transportation	\$68,333.33	\$70,000.00	15
Utilities	\$86,603.77	\$77,500.00	159
Total			659

Table 7			
Field of Employment			
Answer	Average	Median	Sample
Architectural	\$62,500.00	\$82,500.00	10
Biological/Biomedical	\$70,333.33	\$65,000.00	15
Building	\$75,625.00	\$82,500.00	24
Chemical	\$30,000.00	\$30,000.00	1
Civil	\$78,380.28	\$82,500.00	71
Communication	\$58,333.33	\$60,000.00	3
Computer	\$84,583.33	\$82,500.00	12
Construction	\$80,760.87	\$75,000.00	46
Design	\$66,875.00	\$75,000.00	32
Drafting/Engineering	\$66,250.00	\$75,000.00	48
Electrical	\$84,150.00	\$75,000.00	100
Electronics	\$73,088.24	\$77,500.00	34
Environmental/Geoscience	\$71,315.79	\$80,000.00	19
Industrial/Manufacturing	\$74,814.81	\$82,500.00	27
Instrumentation	\$74,107.14	\$82,500.00	28
Mechanical	\$76,694.92	\$75,000.00	59
Mineral Resources/Metallurgy	\$92,500.00	\$92,500.00	2
Municipal	\$76,944.44	\$82,500.00	36
Other	\$74,659.09	\$75,000.00	44
Structural	\$74,761.90	\$77,500.00	21
Surveying/Geometrics	\$78,750.00	\$87,500.00	12
Telecommunications	\$75,000.00	\$77,500.00	15
Total			659

Table 8			
Years of Technical Experience			
Answer	Average	Median	Sample
5 and under	\$55,142.86	\$72,500.00	105
13-06-10	\$72,217.74	\$75,000.00	124
13-11-15	\$79,245.28	\$75,000.00	106
16 - 20	\$77,901.23	\$77,500.00	81
21 - 25	\$84,252.87	\$82,500.00	87
26 - 30	\$86,692.31	\$75,000.00	65
over 30	\$84,065.93	\$75,000.00	91
Total			659

Table 9 Employment level.			
Answer	Average	Median	Sample
Intermediate	\$65,756.30	\$75,000.00	238
Junior	\$47,692.31	\$57,500.00	52
Senior Manager	\$102,500.00	\$77,500.00	54
Specialist/Team Leader	\$83,825.40	\$75,000.00	315
Total			659

Table 10 Salary Based on Classification and Years of Experience						
Answer	Technologist	Samples	Technician	Samples	Associate	Samples
under 5	\$57,638.89	72	\$62,777.78	9	\$44,791.67	24
6-10	\$75,515.46	97	\$59,062.50	16	\$62,272.73	11
11-15	\$80,654.76	84	\$78,333.33	18	\$53,750.00	4
16 - 20	\$82,615.38	65	\$65,000.00	9	\$50,714.29	7
21 - 25	\$85,785.71	70	\$78,125.00	16	\$75,000.00	1
26 - 30	\$91,666.67	51	\$75,000.00	12	\$30,000.00	2
over 30	\$85,514.71	68	\$79,166.67	18	\$82,000.00	5

Table 11 Salary Based on Classification and Field of Employment							
Answer	Technologist	Samples	Technician	Samples	Associate	Samples	
Architectural	\$70,833.33		6	\$51,666.67	3	\$45,000.00	1
Biological/Biomedical	\$70,333.33		15		0		0
Building	\$76,190.48		21	\$71,666.67	3		0
Chemical			0	\$30,000.00	1		0
Civil	\$79,016.39		61	\$78,333.33	6	\$68,750.00	4
Communication	\$70,000.00		2		0	\$35,000.00	1
Computer	\$88,181.82		11		0	\$45,000.00	1
Construction	\$84,305.56		36	\$75,000.00	7	\$51,666.67	3
Design	\$73,181.82		22	\$48,333.33	6	\$60,000.00	4
Drafting/Engineering	\$70,882.35		34	\$59,500.00	10	\$43,750.00	4
Electrical	\$89,855.07		69	\$79,545.45	22	\$51,666.67	9
Electronics	\$72,800.00		25	\$70,000.00	4	\$77,000.00	5
Environmental/Geoscience	\$71,666.67		15	\$70,000.00	4		0
Industrial/Manufacturing	\$77,368.42		19	\$87,500.00	4	\$50,000.00	4
Instrumentation	\$79,318.18		22	\$55,000.00	4	\$55,000.00	2
Mechanical	\$79,555.56		45	\$77,857.14	7	\$57,142.86	7
Mineral Resources/Metallurgy	\$120,000.00		1	\$65,000.00	1		0
Municipal	\$77,058.82		34	\$75,000.00	2		0
Other	\$80,689.66		29	\$85,000.00	8	\$37,857.14	7
Structural	\$79,062.50		16	\$75,000.00	3	\$40,000.00	2
Surveying/Geometrics	\$76,500.00		10	\$90,000.00	2		0
Telecommunications	\$75,000.00		14	\$75,000.00	1		0

Table 12 Salary Based on Classification and Age							
Answer	Technologist	Samples	Technician	Samples	Associate	Samples	
30 - under	\$64,085.37		82	\$65,384.62	13	\$45,588.24	17
31 - 35	\$75,256.41		78	\$68,333.33	9	\$61,666.67	6
36 - 40	\$76,772.15		79	\$63,571.43	7	\$51,500.00	10
41 - 45	\$86,413.04		46	\$69,545.45	11	\$55,000.00	5
46 - 50	\$86,348.31		89	\$81,818.18	22	\$49,375.00	8
51 - 55	\$84,861.11		72	\$70,000.00	22	\$55,000.00	4
56 - 60	\$81,078.43		51	\$71,666.67	9	\$81,250.00	4
61 - 65	\$52,352.94		17	\$55,714.29	7	\$0.00	0
65 - 70	\$13,000.00		10	\$30,000.00	1	\$75,000.00	0
over 70	\$0.00		1	\$0.00	2	\$0.00	0

Table 13 Salary Based on Classification and Education Level							
Answer	Technologist	Samples	Technician	Samples	Associate	Samples	
Intermediate	\$67,877.09		179	\$59,500.00	40	\$58,947.37	19
Junior	\$52,600.00		25	\$51,666.67	3	\$42,083.33	24
Senior Manager	\$101,836.73		49	\$109,000.00	5		0
Specialist/Team Leader	\$85,275.59		254	\$80,000.00	50	\$67,727.27	11

Table 14 Salary Based on Classification and Industry of Employment							
Answer	Technologist	Samples	Technician	Samples	Associate	Samples	
Advanced Technologies	\$77,727.27		11	\$55,000.00	2	\$45,000.00	1
Aerospace	\$80,434.78		23	\$65,000.00	5	\$55,000.00	4
Agriculture	\$83,888.89		9		0		0
Civil	\$73,648.65		37	\$73,571.43	7	\$61,250.00	4
Construction	\$72,976.19		42	\$65,833.33	12	\$53,000.00	5
Consulting Engineering	\$78,800.00		50	\$68,846.15	13	\$42,500.00	8
Government	\$75,085.47		117	\$67,727.27	11	\$55,000.00	2
Manufacturing (durables)	\$71,142.86		35	\$58,333.33	6	\$47,222.22	9
Manufacturing (non-durables)	\$92,500.00		6	\$70,714.29	7	\$45,000.00	1
Natural resource development	\$108,750.00		4	\$85,000.00	2	\$30,000.00	1
Natural resource processing	\$115,000.00		2	\$62,500.00	2		0
Other	\$71,250.00		20	\$87,000.00	5	\$40,833.33	6
Telecommunications	\$75,714.29		14	\$75,000.00	1	\$105,000.00	1
Transportation	\$69,545.45		11	\$71,666.67	3	\$45,000.00	1
Utilities	\$88,730.16		126	\$83,409.09	22	\$68,636.36	11

Table 15 Salary Based on Classification and Employment level							
Answer	Technologist	Samples	Technician	Samples	Associate	Samples	
Intermediate	\$67,877.09		179	\$59,500.00	40	\$58,947.37	19
Junior	\$52,600.00		25	\$51,666.67	3	\$42,083.33	24
Senior Manager	\$101,836.73		49	\$109,000.00	5		0
Specialist/Team Leader	\$85,275.59		254	\$80,000.00	50	\$67,727.27	11

Benefits.	
Answer	Sample
Life Insurance Plan	566
Prescription Drug Plan	582
Disability Plan	551
Dental Plan	621
Extended Health Plan	540
Pension Plan	527
Supplied Vehicle	73
None	24

CTTAM dues paid by	
Answer	Sample
Self	201
Employer	457
Shared	1
Total	659

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DEFINITIONS

CTTAM Membership Category

- **Non-certified** (Associates, includes Graduate Technologists)
- **Certified Technicians** (includes Certified Engineering Technician)
- **Certified Technologists** (includes Certified Engineering Technologists & Applied Science Technologists)

Industry of Employment

Choose the industry you are primarily employed or consult in from the following list.

NOTE: This is the industry in which you work in, not your specific job function.

- **Agriculture:** includes machine design, testing and manufacturing. (Does NOT include food production).
- **Advanced Technologies:** includes development or consulting in information technology (IT) services, computer hardware or software, robotics, electronics, biotechnologies.
- **Aerospace:** includes avionics, aircraft design and maintenance, equipment manufacturing.
- **Construction:** building-related: includes architectural and building operations.
- **Consulting Engineering:** providing engineering design, management, advisory and construction services
- **Civil:** includes roads and all earthworks, environment.
- **Government:** includes all publicly-funded organizations, regulatory bodies, health care systems, public education organizations, military.
- **Manufacturing (durables):** includes machinery, equipment, tools, furniture and products from wood, concrete, steel or plastic.
- **Manufacturing (non-durables):** includes processing of food beverages, rubber, leather, textiles, pharmaceutical, chemicals, paint, pulp and paper, etc.
- **Natural resource processing:** includes refining, processing and petrochemicals etc.
- **Natural resource development:** includes exploration and extraction of oil, gas, minerals, etc.
- **Telecommunications:** includes television, telephones, radio, and internet.
- **Transportation:** includes rail and road systems.
- **Utilities:** includes electricity, water, oil/gas pipelines.
- **Other**

Field of Employment This applies to the discipline you work in.

Years of Technical Experience since graduating.

Employment Level select the **one** category that best describes your current employment situation.

Junior

Could include entry level position.
Typically less than five years experience.
Could be recently certified or working towards certification.
Could be developing skill levels in a discipline other than the one certified.

Intermediate

Experienced with good working knowledge of the industry.
Could have some responsibility for technical projects and/or Budget projects.
Typically 5 – 15 years experience.

Specialist/Team Leader

Highly experienced with full knowledge of the industry.
Could be consulting or teaching specialized technology.
Could be in charge of budgets and project personnel.
Could be supervising staff and/or contractors.
Often manages complex technical projects.

Senior Manager

Could hold full responsibility for overall department
And/or corporate activities including financial reporting.
HR management, shareholders relations, etc.
Could be specialized consultant identified throughout the Industry as an expert. Could be providing expertise to employers/clients on a worldwide basis.

Annual Income Your current basic annual salary including overtime, bonuses etc.