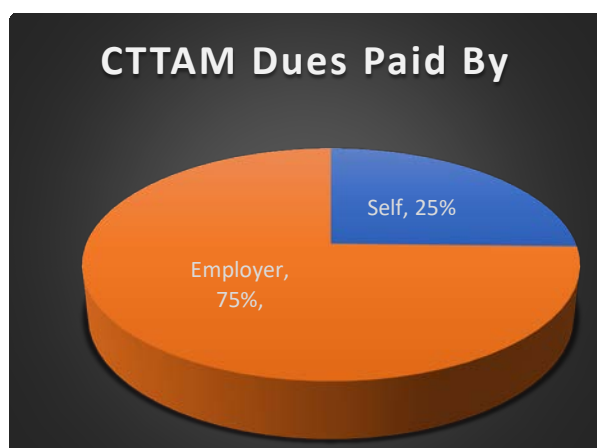
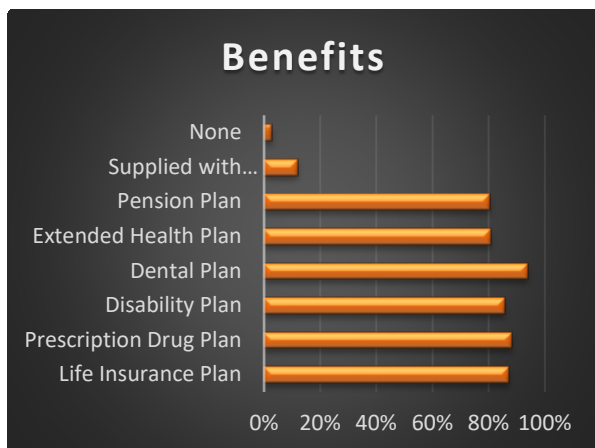
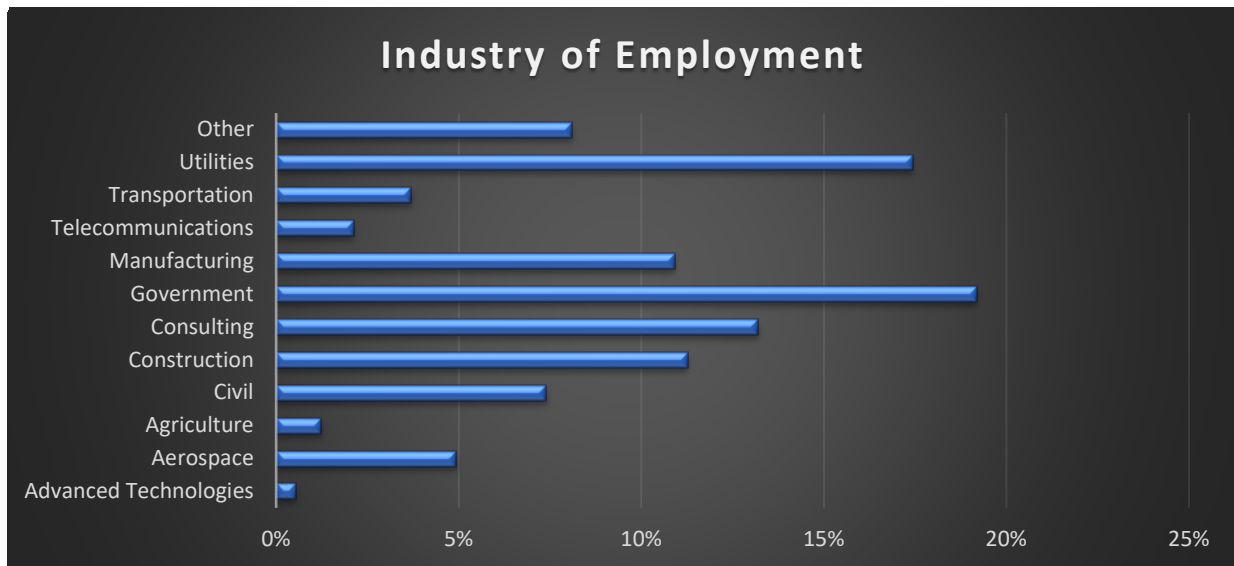


CTTAM – 2019 Annual Salary Report

CTTAM produces an Annual Salary Report which is made available to members of CTTAM, employers and students to provide a snapshot of actual income levels provided by our members. The questions range from annual income and benefits, to years of experience and discipline of practice. If a specific discipline of practice is not included in the report it is due to a lack of data provided.

Information in this report is provided by the membership and is not a survey of employers. Members who provided data are ethically obliged to answer questions accurately. All CTTAM member's identifiers are removed to maintain privacy.



Disciplines of Work	CET Sample	CTech Sample	% of Respondents
Architectural	2	2	0.7%
Biological/Biomedical	15	1	2.7%
Biosciences	2	0	0.3%
Building	17	2	3.3%
Chemical	3	1	0.7%
Civil/Municipal	104	3	18.4%
Communications	1	1	0.3%
Computer	7	0	1.2%
Construction	47	8	9.5%
Design	21	4	4.3%
Drafting/Engineering	42	11	9.1%
Electrical	49	10	10.1%
Electronic	17	6	4.0%
Environmental/Geosciences	17	0	2.9%
Industrial/Manufacturing	23	11	5.8%
Instrumentation	23	2	4.3%
Mechanical	35	2	6.4%
Mineral Resources/Metallurgy	1	0	0.2%
Structural	21	2	4.0%
Surveying/Geomatics	13	2	2.6%
Telecommunications	12	1	2.2%
Other	31	10	7.0%

CTTAM 2019 Salary Survey Results

Red River College Student Co-Op

Average Hourly Wage - 2018 \$19.06

Table 1 Answer	Current Employment Status		
	Average	Median	Sample
Employee	\$ 82,900	\$ 75,000	563
Retired	\$ -	\$ -	0
Self-Employed	\$ 101,177	\$ 105,000	17
Unemployed	\$ 40,000	\$ 40,000	1
Disabled	\$ 80,000	\$ 80,000	2
Total			583

Table 2 Answer	Age		
	Average	Median	Sample
30 - under	\$ 64,700	\$ 65,000	100
31 - 35	\$ 76,720	\$ 75,000	93
36 - 40	\$ 84,286	\$ 85,000	91
41 - 45	\$ 83,953	\$ 85,000	86
46 - 50	\$ 90,985	\$ 85,000	66
51 - 55	\$ 100,000	\$ 105,000	74
56 - 60	\$ 93,333	\$ 95,000	60
61 - 65	\$ 87,917	\$ 95,000	12
66 - 70	\$ 105,000	\$ 105,000	1
Total			583

Table 3 Answer	Education		
	Average	Median	Sample
Technical College Certificate			0
Technical College Diploma	\$ 84,194	\$ 85,000	483
University	\$ 79,899	\$ 75,000	100
Total			583

Table 4 Answer	Last Diploma/Degree Received		
	Average	Median	Sample
in Manitoba	\$ 84,622	\$ 85,000	463
Within Canada	\$ 89,717	\$ 85,000	53
Outside Canada	\$ 70,522	\$ 65,000	67
Total			583

Table 5 Answer	CTTAM Membership Category		
	Average	Median	Sample
Certified Technician	\$ 74,551	\$ 75,000	78
Certified Technologist	\$ 84,821	\$ 85,000	504
Non-Certified	\$ 95,000	\$ 95,000	1
Total			583

Table 6 Answer	Industry of Employment		
	Average	Median	Sample
Advanced Technologies	\$ 103,333	\$ 95,000	3
Aerospace	\$ 82,500	\$ 75,000	28
Agriculture	\$ 76,429	\$ 75,000	7
Civil	\$ 81,905	\$ 75,000	42
Construction	\$ 82,422	\$ 75,000	64
Consulting	\$ 80,067	\$ 75,000	75
Government	\$ 79,817	\$ 75,000	109
Manufacturing	\$ 78,468	\$ 75,000	62
Telecommunications	\$ 70,833	\$ 65,000	12
Transportation	\$ 71,429	\$ 65,000	21
Utilities	\$ 100,350	\$ 95,000	100
Other	\$ 80,583	\$ 75,000	60
Total			583

Table 7

Answer	Field of Employment		
	Average	Median	Sample
Architectural	\$ 57,500	\$ 60,000	4
Biological/Biomedical	\$ 76,785	\$ 75,000	16
Biosciences	\$ 110,000	\$ 110,000	2
Building	\$ 77,368	\$ 75,000	19
Chemical	\$ 95,000	\$ 95,000	4
Civil	\$ 86,692	\$ 85,000	65
Communications	\$ 42,500	\$ 42,500	2
Computer	\$ 98,571	\$ 95,000	7
Construction	\$ 89,018	\$ 85,000	56
Design	\$ 76,200	\$ 75,000	25
Drafting/Engineering	\$ 72,264	\$ 75,000	53
Electrical	\$ 100,403	\$ 105,000	62
Electronic	\$ 76,522	\$ 75,000	23
Environmental/Geosciences	\$ 78,235	\$ 75,000	17
Industrial/Manufacturing	\$ 80,000	\$ 75,000	34
Instrumentation	\$ 83,800	\$ 85,000	25
Mechanical	\$ 81,486	\$ 75,000	37
Mineral Resources/Metallurgy	\$ 95,000	\$ 95,000	1
Municipal	\$ 81,788	\$ 85,000	45
Structural	\$ 66,957	\$ 65,000	23
Surveying/Geomatics	\$ 91,667	\$ 85,000	15
Telecommunications	\$ 90,000	\$ 85,000	13
Other	\$ 85,571	\$ 85,000	35
Total			583

Table 8**Years of Technical Experience**

Answer	Average	Median	Sample
less than 1	\$ 65,000	\$ 65,000	2
1 - 5	\$ 63,250	\$ 55,000	80
6 - 15	\$ 76,720	\$ 75,000	219
16 - 20	\$ 90,174	\$ 85,000	86
21 - 25	\$ 91,818	\$ 85,000	66
26 - 30	\$ 93,100	\$ 95,000	50
over 30	\$ 102,250	\$ 105,000	80
Total			583

Table 9**Employment Level**

Answer	Average	Median	Sample
Junior	\$ 53,148	\$ 55,000	27
Intermediate	\$ 72,191	\$ 75,000	194
Specialist/Team Leader	\$ 86,945	\$ 85,000	276
Senior Manager	\$ 107,267	\$ 105,000	86
Total			583

Table 10**Salary Based on Classification & Years of Experience**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
less than 1	\$ -	\$ -	0	\$ 65,000	\$ 65,000	2			
1 - 5	\$ 64,028	\$ 55,000	72	\$ 56,250	\$ 45,000	8			
6 - 15	\$ 78,648	\$ 75,000	196	\$ 59,545	\$ 55,000	22			
16 - 20	\$ 91,549	\$ 85,000	71	\$ 83,667	\$ 75,000	15			
21 - 25	\$ 94,528	\$ 85,000	53	\$ 80,769	\$ 85,000	13			
26 - 30	\$ 93,721	\$ 95,000	44	\$ 88,333	\$ 85,000	6	\$ 95,000	\$ 95,000	1
over 30	\$ 104,265	\$ 105,000	68	\$ 90,833	\$ 95,000	12			
Total			504			78			1

Table 11**Salary Based on Classification & Field of Employment**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
Architectural	\$ 60,000	\$ 60,000	2	\$ 55,000	\$ 55,000	2			
Biological/Biomedical	\$ 77,667	\$ 75,000	15	\$ 65,000	\$ 65,000	1			
Biosciences	\$ 110,000	\$ 110,000	2	\$ -	\$ -	0			
Building	\$ 79,412	\$ 75,000	17	\$ 60,000	\$ 60,000	2			
Chemical	\$ 105,000	\$ 105,000	3	\$ 65,000	\$ 65,000	1			
Civil	\$ 87,031	\$ 85,000	61	\$ 65,000	\$ 65,000	1			
Communications	\$ 40,000	\$ 40,000	1	\$ 45,000	\$ 45,000	1			
Computer	\$ 98,571	\$ 95,000	7	\$ -	\$ -	0			
Construction	\$ 91,883	\$ 85,000	47	\$ 74,375	\$ 75,000	8	\$ 95,000	\$ 95,000	1
Design	\$ 78,333	\$ 75,000	21	\$ 65,000	\$ 65,000	4			
Drafting/Engineering	\$ 73,452	\$ 75,000	42	\$ 67,727	\$ 75,000	11			
Electrical	\$ 104,231	\$ 105,000	49	\$ 80,500	\$ 85,000	10			
Electronic	\$ 80,294	\$ 85,000	17	\$ 65,833	\$ 65,000	6			
Environmental/Geosciences	\$ 78,235	\$ 75,000	17	\$ -	\$ -	0			
Industrial/Manufacturing	\$ 78,478	\$ 75,000	23	\$ 83,182	\$ 75,000	11			
Instrumentation	\$ 85,000	\$ 85,000	23	\$ 70,000	\$ 70,000	2			
Mechanical	\$ 80,143	\$ 75,000	35	\$ 105,000	\$ 105,000	2			
Mineral Resources/Metallurgy	\$ 95,000	\$ 95,000	1	\$ -	\$ -	0			
Municipal	\$ 82,093	\$ 85,000	43	\$ 75,000	\$ 75,000	2			
Structural	\$ 66,190	\$ 65,000	21	\$ 75,000	\$ 75,000	2			
Surveying/Geomatics	\$ 98,462	\$ 95,000	13	\$ 47,500	\$ 47,500	2			
Telecommunications	\$ 92,917	\$ 90,000	12	\$ 55,000	\$ 55,000	1			
Other	\$ 86,316	\$ 85,000	31	\$ 88,500	\$ 95,000	10			
Total			503			79			1

Table 12**Salary Based on Classification & Age**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
30 - under	\$ 65,618	\$ 65,000	89	\$ 57,273	\$ 55,000	11			
31 - 35	\$ 78,412	\$ 75,000	85	\$ 58,750	\$ 55,000	8			
36 - 40	\$ 85,513	\$ 85,000	78	\$ 76,923	\$ 75,000	13			
41 - 45	\$ 86,467	\$ 85,000	75	\$ 66,818	\$ 65,000	11			
46 - 50	\$ 90,741	\$ 85,000	54	\$ 91,818	\$ 85,000	11	\$ 95,000	\$ 95,000	1
51 - 55	\$ 101,567	\$ 105,000	67	\$ 85,000	\$ 85,000	7			
56 - 60	\$ 98,333	\$ 95,000	45	\$ 78,333	\$ 75,000	15			
61 - 65	\$ 85,500	\$ 90,000	10	\$ 100,000	\$ 100,000	2			
Total			503			78			1

Table 13**Salary Based on Classification & Education Level**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
Technical College Certificate									
Technical College Diploma	\$ 85,103	\$ 85,000	437	\$ 75,326	\$ 75,000	46			
University	\$ 82,985	\$ 75,000	67	\$ 73,438	\$ 70,000	32			

Table 14**Salary Based on Classification & Industry of Employment**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
Advanced Technologies	\$ 103,333	\$ 95,000	3	\$ -	\$ -	0			
Aerospace	\$ 81,136	\$ 75,000	22	\$ 87,500	\$ 95,000	6			
Agriculture	\$ 75,000	\$ 70,000	6	\$ 85,000	\$ 85,000	1			
Civil	\$ 82,500	\$ 75,000	40	\$ 67,500	\$ 67,500	2			
Construction	\$ 86,071	\$ 85,000	56	\$ 56,875	\$ 60,000	8			
Consulting	\$ 80,692	\$ 75,000	65	\$ 76,000	\$ 75,000	10			
Government	\$ 80,297	\$ 75,000	101	\$ 73,750	\$ 75,000	8			
Manufacturing	\$ 79,255	\$ 85,000	47	\$ 76,000	\$ 65,000	15			
Telecommunications	\$ 75,000	\$ 75,000	10	\$ 50,000	\$ 50,000	2			
Transportation	\$ 73,824	\$ 75,000	17	\$ 61,250	\$ 65,000	4			
Utilities	\$ 100,769	\$ 105,000	91	\$ 96,250	\$ 95,000	8			
Other	\$ 83,261	\$ 75,000	46	\$ -	\$ -	0			
Total			504			64			

Table 15**Salary Based on Classification & Employment Level**

Answer	Technologist			Technician			Associate		
	Average	Median	Sample	Average	Median	Sample	Average	Median	Sample
Junior	\$ 53,600	\$ 55,000	25	\$ 47,500	\$ 47,500	2			0
Intermediate	\$ 72,874	\$ 75,000	167	\$ 67,963	\$ 65,000	27			0
Specialist/Team Leader	\$ 88,621	\$ 85,000	232	\$ 77,500	\$ 75,000	42			0
Senior Manager	\$ 108,797	\$ 105,000	79	\$ 90,000	\$ 85,000	7			0
Total			503			78			0

Benefits	Sample	
Answer		
Life Insurance Plan	87%	508
Prescription Drug Plan	88%	514
Disability Plan	86%	499
Dental Plan	94%	547
Extended Health Plan	81%	471
Pension Plan	80%	468
Supplied with Company Vehicle	12%	70
None	3%	16

CTTAM Dues Paid By	Sample	
Answer		
Self	25%	148
Employer	75%	435
Total		583

Hours Worked Per Week	Sample	
Answer		
30 hrs or less	1%	3
32 - 35.64	11%	65
36 - 40	71%	414
41 - 50	13%	73
51 - 75	3%	19
76 - 90	2%	9
Total		583