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Canada - Civil Engineers

Civil engineers	2008e	2009f	2010f	2011f
Employment	49557	51036	51966	53031
% Change in Employment	2.1%	3.0%	1.8%	2.0%
Trend Employment	49041	50296	51501	52498
% Change in Trend Employment	5.1%	2.6%	2.4%	1.9%
Change in trend employment	2374	1255	1204	998
Graduates entering the Labour Force ¹	1306	1229	1176	1750
Immigrants by intended occupation (incl TFW)	1425	1425	1425	1425
Replacement Demand	1122	1059	1091	1132
Replacement Demand as a % of the Labour Force	2.11	2.04	2.14	2.27
Excess Supply	-765	340	306	1045
Excess Supply as a % of Trend Employment	-1.6%	0.7%	0.6%	2.0%
Excess Supply as a % of Trend Employment (2 year average)	-1.2%	-0.4%	0.6%	1.3%
Graduates	1866	1755	1680	2500
Rank 1, Excess Supply Rate	4	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	4	4	4	4
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada - Mechanical Engineers

Mechanical engineers	2008e	2009f	2010f	2011f
Employment	41941	43638	43668	44624
% Change in Employment	3.7%	4.0%	0.1%	2.2%
Trend Employment	41202	42790	43653	44146
% Change in Trend Employment	4.9%	3.9%	2.0%	1.1%
Change in trend employment	1941	1588	863	493
Graduates entering the Labour Force ¹	1399	1434	1239	2071
Immigrants by intended occupation (incl TFW)	2442	2442	2442	2442
Replacement Demand	814	790	815	850
Replacement Demand as a % of the Labour Force	1.79	1.76	1.85	1.97
Excess Supply	1087	1499	2002	3170
Excess Supply as a % of Trend Employment	2.6%	3.5%	4.6%	7.2%
Excess Supply as a % of Trend Employment (2 year average)	3.0%	3.1%	4.0%	5.9%
Graduates	1999	2049	1770	2958
Rank 1, Excess Supply Rate	3	3	3	2
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	4
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

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Canada - Electrical & Electronic Engineers

Electrical and electronics engineers	2008e	2009f	2010f	2011f
Employment	38417	40467	40660	41523
% Change in Employment	4.4%	5.3%	0.5%	2.1%
Trend Employment	37610	39442	40563	41091
% Change in Trend Employment	5.7%	4.9%	2.8%	1.3%
Change in trend employment	2018	1832	1121	528
Graduates entering the Labour Force ¹	1399	1434	1239	1599
Immigrants by intended occupation (incl TFW)	2091	2091	2091	2091
Replacement Demand	575	537	559	599
Replacement Demand as a % of the Labour Force	1.64	1.56	1.65	1.80
Excess Supply	897	1157	1649	2563
Excess Supply as a % of Trend Employment	2.4%	2.9%	4.1%	6.2%
Excess Supply as a % of Trend Employment (2 year average)	7.8%	2.7%	3.5%	5.2%
Graduates	1999	2049	1770	2284
Rank 1, Excess Supply Rate	3	3	3	2
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

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Canada - Chemical Engineers

Chemical engineers	2008e	2009f	2010f	2011f
Employment	9977	10231	10533	10756
% Change in Employment	0.2%	2.5%	3.0%	2.1%
Trend Employment	9966	10104	10382	10645
% Change in Trend Employment	1.1%	1.4%	2.8%	2.5%
Change in trend employment	106	138	278	263
Graduates entering the Labour Force ¹	580	659	321	980
Immigrants by intended occupation (incl TFW)	672	672	672	672
Replacement Demand	187	173	183	189
Replacement Demand as a % of the Labour Force	1.69	1.59	1.70	1.79
Excess Supply	959	1020	533	1201
Excess Supply as a % of Trend Employment	9.6%	10.1%	5.1%	11.3%
Excess Supply as a % of Trend Employment (2 year average)	9.3%	9.9%	7.6%	8.2%
Graduates	828	942	459	1400
Rank 1, Excess Supply Rate	2	1	2	1
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	3	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada - Industrial and manufacturing Engineers

Industrial and manufacturing engineers	2008e	2009f	2010f	2011f
Employment	22902	23868	23209	23635
% Change in Employment	5.7%	4.2%	-2.8%	1.8%
Trend Employment	22282	23385	23539	23422
% Change in Trend Employment	6.4%	5.0%	0.7%	-0.5%
Change in trend employment	1344	1103	154	-117
Graduates entering the Labour Force ¹	446	311	249	405
Immigrants by intended occupation (incl TFW)	840	840	840	840
Replacement Demand	251	285	301	325
Replacement Demand as a % of the Labour Force	1.26	1.45	1.55	1.70
Excess Supply	-309	-238	635	1037
Excess Supply as a % of Trend Employment	-1.4%	-1.0%	2.7%	4.4%
Excess Supply as a % of Trend Employment (2 year average)	0.8%	-1.2%	0.8%	3.6%
Graduates	637	444	356	578
Rank 1, Excess Supply Rate	4	4	3	3
Rank 2, Replacement Demand as a % of Labour Force	2	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	2
Rank 4, Industry Input				
Rank, Overall	4	4	3	3

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Canada – Computer Engineers

Computer engineers (except software engineers)	2008e	2009f	2010f	2011f
Employment	29073	29958	30087	30728
% Change in Employment	3.8%	3.0%	0.4%	2.1%
Trend Employment	28544	29516	30022	30407
% Change in Trend Employment	4.1%	3.4%	1.7%	1.3%
Change in trend employment	1124	972	507	385
Graduates entering the Labour Force ¹	745	396	998	1007
Immigrants by intended occupation (incl TFW)	1147	1147	1147	1147
Replacement Demand	213	219	240	260
Replacement Demand as a % of the Labour Force	0.77	0.80	0.89	0.97
Excess Supply	555	352	1397	1509
Excess Supply as a % of Trend Employment	1.9%	1.2%	4.7%	5.0%
Excess Supply as a % of Trend Employment (2 year average)	0.3%	1.6%	2.9%	4.8%
Graduates	1064	565	1425	1438
Rank 1, Excess Supply Rate	3	3	3	2
Rank 2, Replacement Demand as a % of Labour Force	1	1	1	2
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	2

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Canada – Other Engineers

Other Engineers	2008e	2009f	2010f	2011f
Employment	10454	10836	11180	11288
% Change in Employment	1.6%	3.7%	3.2%	1.0%
Trend Employment	10369	10645	11008	11234
% Change in Trend Employment	1.8%	2.7%	3.4%	2.1%
Change in trend employment	179	276	363	226
Graduates entering the Labour Force ¹	806	1075	1866	1813
Immigrants by intended occupation (incl TFW)	800	800	800	800
Replacement Demand	168	188	197	205
Replacement Demand as a % of the Labour Force	1.67	1.90	2.03	2.16
Excess Supply	1259	1412	2106	2182
Excess Supply as a % of Trend Employment	12.1%	13.3%	19.1%	19.4%
Excess Supply as a % of Trend Employment (2 year average)	2.9%	12.7%	16.2%	19.3%
Graduates	1152	1536	2666	2590
Rank 1, Excess Supply Rate	1	1	1	1
Rank 2, Replacement Demand as a % of Labour Force	3	4	4	4
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	2	2	2	2

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Canada – Petroleum Engineers

Petroleum engineers	2008e	2009f	2010f	2011f
Employment	10897	11482	11822	11897
% Change in Employment	3.6%	5.4%	3.0%	0.6%
Trend Employment	10708	11190	11652	11860
% Change in Trend Employment	5.1%	4.5%	4.1%	1.8%
Change in trend employment	524	482	463	208
Graduates entering the Labour Force ¹	59	52	38	88
Immigrants by intended occupation (incl TFW)	226	226	226	226
Replacement Demand	274	193	210	218
Replacement Demand as a % of the Labour Force	2.08	1.50	1.66	1.75
Excess Supply	-513	-398	-409	-111
Excess Supply as a % of Trend Employment	-4.8%	-3.6%	-3.5%	-0.9%
Excess Supply as a % of Trend Employment (2 year average)	-3.0%	-4.2%	-3.5%	-2.2%
Graduates	84	74	54	126
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	4	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Aerospace Engineers

Aerospace engineers	2008e	2009f	2010f	2011f
Employment	6696	7035	6694	6801
% Change in Employment	8.1%	5.1%	-4.9%	1.6%
Trend Employment	6446	6865	6864	6747
% Change in Trend Employment	8.1%	6.5%	0.0%	-1.7%
Change in trend employment	480	420	-1	-117
Graduates entering the Labour Force ¹	98	115	-188	382
Immigrants by intended occupation (incl TFW)	136	136	136	136
Replacement Demand	73	60	63	64
Replacement Demand as a % of the Labour Force	1.73	1.45	1.54	1.58
Excess Supply	-320	-229	-114	572
Excess Supply as a % of Trend Employment	-5.0%	-3.3%	-1.7%	8.5%
Excess Supply as a % of Trend Employment (2 year average)	-9.6%	-4.1%	-2.5%	3.4%
Graduates	140	164	-269	546
Rank 1, Excess Supply Rate	5	4	4	2
Rank 2, Replacement Demand as a % of Labour Force	3	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	2	2
Rank 4, Industry Input				
Rank, Overall	4	4	3	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Total Engineers

Total engineers	2008e	2009f	2010f	2011f
Employment	220417	229054	230322	234785
% Change in Employment	3.5%	3.9%	0.6%	1.9%
Trend Employment	216671	224736	229688	232553
% Change in Trend Employment	5.0%	3.7%	2.2%	1.2%
Change in trend employment	10331	8065	4952	2865
Graduates entering the Labour Force ¹	7694	7081	6349	9625
Immigrants by intended occupation (incl TFW)	9779	9779	9779	9779
Replacement Demand	3450	3445	3599	3777
Replacement Demand as a % of the Labour Force	1.57	1.59	1.69	1.81
Excess Supply	3691	5350	7577	12761
Excess Supply as a % of Trend Employment	1.7%	2.4%	3.3%	5.5%
Excess Supply as a % of Trend Employment (2 year average)	2.0%	2.0%	2.8%	4.4%
Graduates	10991	10116	9070	13750
Rank 1, Excess Supply Rate	3	3	3	2
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Applied Chemical Technicians & Technologists

Applied chemical technicians & technologists	2008e	2009f	2010f	2011f
Employment	34484	35963	35352	36123
% Change in Employment	5.5%	4.3%	-1.7%	2.2%
Trend Employment	33585	35224	35657	35737
% Change in Trend Employment	5.8%	4.9%	1.2%	0.2%
Change in trend employment	1840	1639	434	80
Graduates entering the Labour Force ¹	537	537	537	537
Immigrants by intended occupation (incl TFW)	374	374	374	374
Replacement Demand	361	376	411	449
Replacement Demand as a % of the Labour Force	1.03	1.09	1.20	1.33
Excess Supply	-1290	-1105	66	382
Excess Supply as a % of Trend Employment	-3.8%	-3.1%	0.2%	1.1%
Excess Supply as a % of Trend Employment (2 year average)	1.4%	-3.5%	-1.5%	0.6%
Graduates	767	767	767	767
Rank 1, Excess Supply Rate	4	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Geological & Mineral Technicians & Technologists

Geological & mineral technicians & technologists	2008e	2009f	2010f	2011f
Employment	11878	12142	12294	12835
% Change in Employment	2.5%	2.2%	1.3%	4.4%
Trend Employment	11734	12010	12218	12565
% Change in Trend Employment	3.2%	2.4%	1.7%	2.8%
Change in trend employment	364	276	208	347
Graduates entering the Labour Force ¹	655	655	655	655
Immigrants by intended occupation (incl TFW)	134	134	134	134
Replacement Demand	198	184	183	192
Replacement Demand as a % of the Labour Force	1.54	1.45	1.46	1.56
Excess Supply	227	330	399	250
Excess Supply as a % of Trend Employment	1.9%	2.7%	3.3%	2.0%
Excess Supply as a % of Trend Employment (2 year average)	1.2%	2.3%	3.0%	2.6%
Graduates	936	936	936	936
Rank 1, Excess Supply Rate	3	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Other Technical Inspectors & Regulatory Officers

Other Technical Inspectors and Regulatory Officers	2008e	2009f	2010f	2011f
Employment	49513	51061	51763	52600
% Change in Employment	3.3%	3.1%	1.4%	1.6%
Trend Employment	48727	50287	51412	52182
% Change in Trend Employment	4.2%	3.2%	2.2%	1.5%
Change in trend employment	1944	1560	1125	769
Graduates entering the Labour Force ¹	100	100	100	100
Immigrants by intended occupation (incl TFW)	378	378	378	378
Replacement Demand	856	922	981	1042
Replacement Demand as a % of the Labour Force	1.84	2.01	2.19	2.38
Excess Supply	-2321	-2004	-1628	-1333
Excess Supply as a % of Trend Employment	-4.8%	-4.0%	-3.2%	-2.6%
Excess Supply as a % of Trend Employment (2 year average)	-6.9%	-4.4%	-3.6%	-2.9%
Graduates	143	143	143	143
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	4	4	4
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

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Canada – Civil Engineering Technicians & Technologists

Civil engineering technologists and technicians	2008e	2009f	2010f	2011f
Employment	15850	16162	16475	16823
% Change in Employment	7.4%	2.0%	1.9%	2.1%
Trend Employment	15307	16006	16319	16649
% Change in Trend Employment	6.6%	4.6%	2.0%	2.0%
Change in trend employment	952	699	312	331
Graduates entering the Labour Force ¹	938	938	938	938
Immigrants by intended occupation (incl TFW)	421	421	421	421
Replacement Demand	294	264	278	301
Replacement Demand as a % of the Labour Force	1.52	1.39	1.48	1.63
Excess Supply	112	396	769	728
Excess Supply as a % of Trend Employment	0.7%	2.5%	4.7%	4.4%
Excess Supply as a % of Trend Employment (2 year average)	12.6%	1.6%	3.6%	4.5%
Graduates	1340	1340	1340	1340
Rank 1, Excess Supply Rate	4	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	3	3

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Canada – Mechanical Engineering Technicians & Technologists

Mechanical engineering technologists and technicians	2008e	2009f	2010f	2011f
Employment	15656	15992	16466	16888
% Change in Employment	5.1%	2.1%	3.0%	2.6%
Trend Employment	15274	15824	16229	16677
% Change in Trend Employment	4.2%	3.6%	2.6%	2.8%
Change in trend employment	610	550	405	448
Graduates entering the Labour Force ¹	1976	1976	1976	1976
Immigrants by intended occupation (incl TFW)	907	907	907	907
Replacement Demand	203	195	202	212
Replacement Demand as a % of the Labour Force	1.55	1.50	1.58	1.69
Excess Supply	2069	2138	2276	2223
Excess Supply as a % of Trend Employment	13.5%	13.5%	14.0%	13.3%
Excess Supply as a % of Trend Employment (2 year average)	18.9%	13.5%	13.8%	13.7%
Graduates	2823	2823	2823	2823
Rank 1, Excess Supply Rate	1	1	1	1
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	2	2	2	2

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Canada – Industrial Engineering and Manufacturing Technicians & Technologists

Industrial engineering and manufacturing technologists and technicians	2008e	2009f	2010f	2011f
Employment	18613	19020	19204	19719
% Change in Employment	0.6%	2.2%	1.0%	2.7%
Trend Employment	18562	18816	19112	19461
% Change in Trend Employment	1.4%	1.4%	1.6%	1.8%
Change in trend employment	249	254	295	350
Graduates entering the Labour Force ¹	320	320	320	320
Immigrants by intended occupation (incl TFW)	483	483	483	483
Replacement Demand	76	99	106	116
Replacement Demand as a % of the Labour Force	0.88	1.16	1.26	1.40
Excess Supply	478	450	401	337
Excess Supply as a % of Trend Employment	2.6%	2.4%	2.1%	1.7%
Excess Supply as a % of Trend Employment (2 year average)	-2.1%	2.5%	2.2%	1.9%
Graduates	457	457	457	457
Rank 1, Excess Supply Rate	3	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	1	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

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Canada – Technical Occupations in Electronics & Electrical Engineering

Technical Occupations in Electronics and Electrical Engineering	2008e	2009f	2010f	2011f
Employment	62007	64207	64618	65687
% Change in Employment	7.9%	3.5%	0.6%	1.7%
Trend Employment	59725	63107	64413	65153
% Change in Trend Employment	6.6%	5.7%	2.1%	1.1%
Change in trend employment	3706	3383	1306	740
Graduates entering the Labour Force ¹	3471	3471	3471	3471
Immigrants by intended occupation (incl TFW)	1643	1643	1643	1643
Replacement Demand	699	728	781	840
Replacement Demand as a % of the Labour Force	1.15	1.21	1.31	1.43
Excess Supply	709	1004	3027	3535
Excess Supply as a % of Trend Employment	1.2%	1.6%	4.7%	5.4%
Excess Supply as a % of Trend Employment (2 year average)	4.5%	1.4%	3.1%	5.1%
Graduates	4959	4959	4959	4959
Rank 1, Excess Supply Rate	3	3	3	2
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Technical Occupations in Architecture, Drafting, Surveying & Mapping

Technical Occupations in Architecture, Drafting, Surveying and Mapping	2008e	2009f	2010f	2011f
Employment	71529	73256	74145	75757
% Change in Employment	1.9%	2.4%	1.2%	2.2%
Trend Employment	70860	72393	73701	74951
% Change in Trend Employment	3.1%	2.2%	1.8%	1.7%
Change in trend employment	2102	1532	1308	1250
Graduates entering the Labour Force ¹	1276	1276	1276	1276
Immigrants by intended occupation (incl TFW)	637	637	637	637
Replacement Demand	991	947	999	1060
Replacement Demand as a % of the Labour Force	1.38	1.34	1.44	1.54
Excess Supply	-1180	-566	-394	-397
Excess Supply as a % of Trend Employment	-1.7%	-0.8%	-0.5%	-0.5%
Excess Supply as a % of Trend Employment (2 year average)	-2.6%	-1.2%	-0.7%	-0.5%
Graduates	1823	1823	1823	1823
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	293197	301904	304409	310476
% Change in Employment	2.7%	3.0%	0.8%	2.0%
Trend Employment	289314	297551	303157	307442
% Change in Trend Employment	3.8%	2.8%	1.9%	1.4%
Change in trend employment	10619	8237	5606	4286
Graduates entering the Labour Force ¹	9260	9260	9260	9260
Immigrants by intended occupation (incl TFW)	5098	5098	5098	5098
Replacement Demand	3777	3819	4054	4325
Replacement Demand as a % of the Labour Force	1.36	1.39	1.50	1.62
Excess Supply	-37	2302	4698	5747
Excess Supply as a % of Trend Employment	0.0%	0.8%	1.5%	1.9%
Excess Supply as a % of Trend Employment (2 year average)	0.3%	0.4%	1.2%	1.7%
Graduates	13229	13229	13229	13229
Rank 1, Excess Supply Rate	4	4	3	3
Rank 2, Replacement Demand as a % of Labour Force	2	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Canada – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	513615	530959	534731	545261
% Change in Employment	3.1%	3.4%	0.7%	2.0%
Trend Employment	505985	522287	532845	539996
% Change in Trend Employment	4.3%	3.2%	2.0%	1.3%
Change in trend employment	20950	16302	10558	7151
Graduates entering the Labour Force ¹	14176	13563	15112	6482
Immigrants by intended occupation (incl TFW)	14877	14877	14877	14877
Replacement Demand	7173	7215	7607	8060
Replacement Demand as a % of the Labour Force	1.44	1.47	1.57	1.69
Excess Supply	930	4924	11823	6148
Excess Supply as a % of Trend Employment	0.2%	0.9%	2.2%	1.1%
Excess Supply as a % of Trend Employment (2 year average)	0.4%	0.6%	1.6%	1.7%
Graduates	20251	19376	21588	9260
Rank 1, Excess Supply Rate	4	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	2	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Total Engineers

Total engineers	2008e	2009f	2010f	2011f
Employment	24542	25601	26045	26652
% Change in Employment	4.9%	4.3%	1.7%	2.3%
Trend Employment	23971	25071	25823	26348
% Change in Trend Employment	4.3%	4.6%	3.0%	2.0%
Change in trend employment	991	1100	752	526
Graduates entering the Labour Force ¹	634	453	485	799
Immigrants by intended occupation (incl TFW)	1014	1014	1014	1014
Replacement Demand	330	322	330	336
Replacement Demand as a % of the Labour Force	1.94	1.93	2.02	2.10
Excess Supply	327	45	417	951
Excess Supply as a % of Trend Employment	1.4%	0.2%	1.6%	3.6%
Excess Supply as a % of Trend Employment (2 year average)	-3.1%	0.8%	0.9%	2.6%
Graduates	905	647	692	1142
Rank 1, Excess Supply Rate	3	4	3	3
Rank 2, Replacement Demand as a % of Labour Force	4	4	4	4
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Technical Occupations in Civil, Mechanical and Industrial Engineering

Technical Occupations in Civil, Mechanical and Industrial Engineering	2008e	2009f	2010f	2011f
Employment	6234	6696	6731	6814
% Change in Employment	7.5%	7.4%	0.5%	1.2%
Trend Employment	6015	6465	6714	6773
% Change in Trend Employment	4.5%	7.5%	3.8%	0.9%
Change in trend employment	259	450	249	59
Graduates entering the Labour Force ¹	250	250	250	250
Immigrants by intended occupation (incl TFW)	212	212	212	212
Replacement Demand	158	122	123	132
Replacement Demand as a % of the Labour Force	2.68	2.12	2.19	2.39
Excess Supply	44	-111	90	271
Excess Supply as a % of Trend Employment	0.7%	-1.7%	1.3%	4.0%
Excess Supply as a % of Trend Employment (2 year average)	-4.4%	-0.5%	-	2.7%
Graduates	357	357	357	357
Rank 1, Excess Supply Rate	4	4	3	3
Rank 2, Replacement Demand as a % of Labour Force	5	4	4	5
Rank 3, Annual % Change in Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Technical Occupations in Electronics & Electrical Engineering

Technical Occupations in Electronics and Electrical Engineering	2008e	2009f	2010f	2011f
Employment	5921	6614	6133	6005
% Change in Employment	14.5%	11.7%	-7.3%	-2.1%
Trend Employment	5547	6267	6374	6069
% Change in Trend Employment	9.2%	13.0%	1.7%	-4.8%
Change in trend employment	469	721	106	-305
Graduates entering the Labour Force ¹	559	559	559	559
Immigrants by intended occupation (incl TFW)	148	148	148	148
Replacement Demand	101	83	88	94
Replacement Demand as a % of the Labour Force	1.92	1.62	1.74	1.88
Excess Supply	138	-97	513	918
Excess Supply as a % of Trend Employment	2.5%	-1.5%	8.0%	15.1%
Excess Supply as a % of Trend Employment (2 year average)	13.8%	0.5%	3.3%	11.6%
Graduates	799	799	799	799
Rank 1, Excess Supply Rate	3	4	2	1
Rank 2, Replacement Demand as a % of Labour Force	4	3	3	3
Rank 3, Annual % Change in Employment Growth	4	5	3	2
Rank 4, Industry Input				
Rank, Overall	4	4	3	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Technical Occupations in Architecture, Drafting, Surveying & Mapping

Technical Occupations in Architecture, Drafting, Surveying and Mapping	2008e	2009f	2010f	2011f
Employment	9545	10090	10216	10389
% Change in Employment	4.3%	5.7%	1.3%	1.7%
Trend Employment	9350	9817	10153	10303
% Change in Trend Employment	4.0%	5.0%	3.4%	1.5%
Change in trend employment	360	468	335	150
Graduates entering the Labour Force ¹	201	201	201	201
Immigrants by intended occupation (incl TFW)	95	95	95	95
Replacement Demand	111	90	98	105
Replacement Demand as a % of the Labour Force	1.75	1.44	1.58	1.74
Excess Supply	-175	-262	-137	41
Excess Supply as a % of Trend Employment	-1.9%	-2.7%	-1.3%	0.4%
Excess Supply as a % of Trend Employment (2 year average)	-6.1%	-2.3%	-2.0%	-0.5%
Graduates	287	287	287	287
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	2	3	3
Rank 3, Annual % Change in Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	32476	34559	34420	34750
% Change in Employment	5.9%	6.4%	-0.4%	1.0%
Trend Employment	31565	33518	34490	34585
% Change in Trend Employment	4.5%	6.2%	2.9%	0.3%
Change in trend employment	1366	1953	972	95
Graduates entering the Labour Force ¹	1126	1126	1126	1126
Immigrants by intended occupation (incl TFW)	558	558	558	558
Replacement Demand	629	518	547	583
Replacement Demand as a % of the Labour Force	2.04	1.72	1.85	2.00
Excess Supply	-310	-786	165	1006
Excess Supply as a % of Trend Employment	-1.0%	-2.3%	0.5%	2.9%
Excess Supply as a % of Trend Employment (2 year average)	-0.5%	-1.7%	-0.9%	1.7%
Graduates	1609	1609	1609	1609
Rank 1, Excess Supply Rate	4	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	4	3	3	4
Rank 3, Annual % Change in Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

British Columbia – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	57018	60160	60465	61402
% Change in Employment	5.5%	5.5%	0.5%	1.5%
Trend Employment	55536	58589	60313	60934
% Change in Trend Employment	4.4%	5.5%	2.9%	1.0%
Change in trend employment	2356	3053	1724	621
Graduates entering the Labour Force ¹	1232	1105	1128	1348
Immigrants by intended occupation (incl TFW)	1,572	1,572	1,572	1,572
Replacement Demand	957	841	878	920
Replacement Demand as a % of the Labour Force	2.00	1.80	1.91	2.04
Excess Supply	-510	-1217	98	1379
Excess Supply as a % of Trend Employment	-0.9%	-2.1%	0.2%	2.3%
Excess Supply as a % of Trend Employment (2 year average)	-2.6%	-1.5%	-1.0%	1.2%
Graduates	1760	1579	1611	1926
Rank 1, Excess Supply Rate	4	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	4	3	4	4
Rank 3, Annual % Change in Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Civil Engineers

Civil engineers	2008e	2009f	2010f	2011f
Employment	7728	7977	8239	8436
% Change in Employment	2.7%	3.2%	3.3%	2.4%
Trend Employment	7627	7853	8108	8338
% Change in Trend Employment	3.5%	3.0%	3.3%	2.8%
Change in trend employment	259	226	256	229
Graduates entering the Labour Force ¹	188	124	88	175
Immigrants by intended occupation (incl TFW)	286	286	286	286
Replacement Demand	92	89	93	100
Replacement Demand as a % of the Labour Force	1.70	1.67	1.78	1.93
Excess Supply	122	94	25	132
Excess Supply as a % of Trend Employment	1.6%	1.2%	0.3%	1.6%
Excess Supply as a % of Trend Employment (2 year average)	5.2%	1.4%	0.8%	0.9%
Graduates	268	177	126	250
Rank 1, Excess Supply Rate	3	3	4	3
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	4
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Mechanical, Electrical & Chemical Engineers

Mechanical, Electrical and Chemical Engineers	2008e	2009f	2010f	2011f
Employment	13595	13973	14364	14909
% Change in Employment	2.4%	2.8%	2.8%	3.8%
Trend Employment	13434	13784	14168	14636
% Change in Trend Employment	2.9%	2.6%	2.8%	3.3%
Change in trend employment	380	350	385	468
Graduates entering the Labour Force ¹	445	462	218	578
Immigrants by intended occupation (incl TFW)	1006	1006	1006	1006
Replacement Demand	285	193	205	221
Replacement Demand as a % of the Labour Force	1.95	1.35	1.45	1.58
Excess Supply	786	925	635	895
Excess Supply as a % of Trend Employment	5.8%	6.7%	4.5%	6.1%
Excess Supply as a % of Trend Employment (2 year average)	0.6%	6.3%	5.6%	5.3%
Graduates	635	660	312	825
Rank 1, Excess Supply Rate	2	2	3	2
Rank 2, Replacement Demand as a % of Labour Force	4	2	2	3
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Petroleum Engineers

Petroleum Engineers	2008e	2009f	2010f	2011f
Employment	8347	8588	8741	9357
% Change in Employment	1.6%	2.9%	1.8%	7.0%
Trend Employment	8282	8468	8665	9049
% Change in Trend Employment	1.1%	2.2%	2.3%	4.4%
Change in trend employment	89	186	197	384
Graduates entering the Labour Force ¹	48	41	29	30
Immigrants by intended occupation (incl TFW)	149	149	149	149
Replacement Demand	152	135	146	155
Replacement Demand as a % of the Labour Force	1.38	1.24	1.36	1.46
Excess Supply	-45	-131	-165	-360
Excess Supply as a % of Trend Employment	-0.5%	-1.5%	-1.9%	-4.0%
Excess Supply as a % of Trend Employment (2 year average)	-1.0%	-1.0%	-1.7%	-2.9%
Graduates	68	58	41	43
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Employment Growth	3	3	3	4
Rank 4, Industry Input				
Rank, Overall	3	3	3	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Total Engineers

Total Engineers	2008e	2009f	2010f	2011f
Employment	37895	39389	40342	41928
% Change in Employment	1.9%	3.9%	2.4%	3.9%
Trend Employment	37551	38642	39866	41135
% Change in Trend Employment	4.9%	2.9%	3.2%	3.2%
Change in trend employment	1768	1091	1223	1269
Graduates entering the Labour Force ¹	817	790	458	1095
Immigrants by intended occupation (incl TFW)	1733	1733	1733	1733
Replacement Demand	601	522	555	594
Replacement Demand as a % of the Labour Force	1.56	1.38	1.49	1.62
Excess Supply	181	910	413	964
Excess Supply as a % of Trend Employment	0.5%	2.4%	1.0%	2.3%
Excess Supply as a % of Trend Employment (2 year average)	-2.0%	1.4%	1.7%	1.7%
Graduates	1167	1129	654	1564
Rank 1, Excess Supply Rate	4	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	2	2	3
Rank 3, Annual % Change in Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Technical Occupations in Physical Sciences

Technical Occupations in Physical Sciences	2008e	2009f	2010f	2011f
Employment	8997	9227	9435	9891
% Change in Employment	1.3%	2.6%	2.3%	4.8%
Trend Employment	8938	9112	9331	9663
% Change in Trend Employment	1.8%	1.9%	2.4%	3.6%
Change in trend employment	158	174	219	332
Graduates entering the Labour Force ¹	407	407	407	407
Immigrants by intended occupation (incl TFW)	61	61	61	61
Replacement Demand	88	96	97	105
Replacement Demand as a % of the Labour Force	0.88	0.97	0.99	1.08
Excess Supply	223	198	152	32
Excess Supply as a % of Trend Employment	2.5%	2.2%	1.6%	0.3%
Excess Supply as a % of Trend Employment (2 year average)	1.8%	2.3%	1.9%	1.0%
Graduates	582	582	582	582
Rank 1, Excess Supply Rate	3	3	3	4
Rank 2, Replacement Demand as a % of Labour Force	1	2	2	2
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Other Technical Occupations

Other Technical Occupations	2008e	2009f	2010f	2011f
Employment	17690	18277	18876	19355
% Change in Employment	2.2%	3.3%	3.3%	2.5%
Trend Employment	17503	17983	18577	19116
% Change in Trend Employment	2.7%	2.7%	3.3%	2.9%
Change in trend employment	467	480	593	539
Graduates entering the Labour Force ¹	266	266	266	266
Immigrants by intended occupation (incl TFW)	333	333	333	333
Replacement Demand	439	265	292	317
Replacement Demand as a % of the Labour Force	2.23	1.38	1.54	1.69
Excess Supply	-308	-146	-287	-257
Excess Supply as a % of Trend Employment	-1.8%	-0.8%	-1.5%	-1.3%
Excess Supply as a % of Trend Employment (2 year average)	-3.7%	-1.3%	-1.2%	-1.4%
Graduates	380	380	380	380
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	2	3	3
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Technical Occupations in Electronics & Electrical Engineering

Technical Occupations in Electronics and Electrical Engineering	2008e	2009f	2010f	2011f
Employment	7793	8019	8241	8545
% Change in Employment	2.3%	2.9%	2.8%	3.7%
Trend Employment	7704	7906	8130	8393
% Change in Trend Employment	2.5%	2.6%	2.8%	3.2%
Change in trend employment	186	202	224	263
Graduates entering the Labour Force ¹	38	38	38	38
Immigrants by intended occupation (incl TFW)	139	139	139	139
Replacement Demand	91	79	85	92
Replacement Demand as a % of the Labour Force	1.05	0.91	0.99	1.09
Excess Supply	-101	-104	-132	-179
Excess Supply as a % of Trend Employment	-1.3%	-1.3%	-1.6%	-2.1%
Excess Supply as a % of Trend Employment (2 year average)	1.5%	-1.3%	-1.5%	-1.9%
Graduates	54	54	54	54
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Technical Occupations in Architecture, Drafting, Surveying & Mapping

Technical Occupations in Architecture, Drafting, Surveying and Mapping	2008e	2009f	2010f	2011f
Employment	11271	11515	11787	12076
% Change in Employment	1.3%	2.2%	2.4%	2.5%
Trend Employment	11197	11393	11651	11932
% Change in Trend Employment	2.5%	1.8%	2.3%	2.4%
Change in trend employment	278	196	258	280
Graduates entering the Labour Force ¹	281	281	281	281
Immigrants by intended occupation (incl TFW)	193	193	193	193
Replacement Demand	166	114	126	141
Replacement Demand as a % of the Labour Force	1.34	0.93	1.04	1.17
Excess Supply	30	163	90	53
Excess Supply as a % of Trend Employment	0.3%	1.4%	0.8%	0.4%
Excess Supply as a % of Trend Employment (2 year average)	-1.1%	0.8%	1.1%	0.6%
Graduates	401	401	401	401
Rank 1, Excess Supply Rate	4	3	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	45711	46998	48299	49825
% Change in Employment	1.7%	2.8%	2.8%	3.2%
Trend Employment	45323	46354	47648	49062
% Change in Trend Employment	2.4%	2.3%	2.8%	3.0%
Change in trend employment	1070	1032	1294	1414
Graduates entering the Labour Force ¹	992	992	992	992
Immigrants by intended occupation (incl TFW)	763	763	763	763
Replacement Demand	732	534	578	630
Replacement Demand as a % of the Labour Force	1.44	1.07	1.17	1.29
Excess Supply	-47	189	-117	-288
Excess Supply as a % of Trend Employment	-0.1%	0.4%	-0.2%	-0.6%
Excess Supply as a % of Trend Employment (2 year average)	-1.0%	0.2%	0.1%	-0.4%
Graduates	1,417	1,417	1,417	1,417
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Alberta – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	84265	86990	89238	92367
% Change in Employment	1.7%	3.2%	2.6%	3.5%
Trend Employment	83555	85628	88114	90802
% Change in Trend Employment	3.9%	2.5%	2.9%	3.1%
Change in trend employment	3168	2073	2486	2688
Graduates entering the Labour Force ¹	1,266	1,248	1,015	1,461
Immigrants by intended occupation (incl TFW)	2,496	2,496	2,496	2,496
Replacement Demand	1330	1051	1127	1218
Replacement Demand as a % of the Labour Force	1.49	1.20	1.30	1.42
Excess Supply	-735	620	-102	51
Excess Supply as a % of Trend Employment	-0.9%	0.7%	-0.1%	0.1%
Excess Supply as a % of Trend Employment (2 year average)	-2.5%	-0.1%	0.3%	0.0%
Graduates	1,809	1,782	1,450	2,087
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	2	2	2
Rank 3, Annual % Change in Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Saskatchewan – Total Engineers

Total Engineers	2008e	2009f	2010f	2011f
Employment	3316	3474	3689	3705
% Change in Employment	1.8%	4.8%	6.2%	0.4%
Trend Employment	3286	3395	3582	3697
% Change in Trend Employment	0.7%	3.3%	5.5%	3.2%
Change in trend employment	23	109	187	115
Graduates entering the Labour Force ¹	153	288	75	229
Immigrants by intended occupation (incl TFW)	38	38	38	38
Replacement Demand	98	51	53	55
Replacement Demand as a % of the Labour Force	2.89	1.54	1.63	1.73
Excess Supply	71	167	-126	97
Excess Supply as a % of Trend Employment	2.1%	4.9%	-3.5%	2.6%
Excess Supply as a % of Trend Employment (2 year average)	10.8%	3.5%	0.7%	-0.5%
Graduates	219	412	108	328
Rank 1, Excess Supply Rate	3	2	4	3
Rank 2, Replacement Demand as a % of Labour Force	5	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	4	3
Rank 4, Industry Input				
Rank, Overall	3	3	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Saskatchewan – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	6572	6859	7199	7239
% Change in Employment	2.5%	4.4%	5.0%	0.6%
Trend Employment	6491	6715	7029	7219
% Change in Trend Employment	1.7%	3.4%	4.7%	2.7%
Change in trend employment	111	224	314	190
Graduates entering the Labour Force ¹	229	229	229	229
Immigrants by intended occupation (incl TFW)	29	29	29	29
Replacement Demand	130	72	78	84
Replacement Demand as a % of the Labour Force	2.26	1.28	1.40	1.54
Excess Supply	17	-38	-134	-17
Excess Supply as a % of Trend Employment	0.3%	-0.6%	-1.9%	-0.2%
Excess Supply as a % of Trend Employment (2 year average)	-2.0%	-0.2%	-1.2%	-1.1%
Graduates	327	327	327	327
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	4	3
Rank 4, Industry Input				
Rank, Overall	4	3	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Saskatchewan – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	9887	10333	10889	10945
% Change in Employment	2.3%	4.5%	5.4%	0.5%
Trend Employment	9778	10110	10611	10917
% Change in Trend Employment	1.4%	3.4%	5.0%	2.9%
Change in trend employment	134	332	501	306
Graduates entering the Labour Force ¹	314	449	431	160
Immigrants by intended occupation (incl TFW)	67	67	67	67
Replacement Demand	226	122	130	139
Replacement Demand as a % of the Labour Force	2.47	1.36	1.48	1.60
Excess Supply	21	62	-133	-217
Excess Supply as a % of Trend Employment	0.2%	0.6%	-1.3%	-2.0%
Excess Supply as a % of Trend Employment (2 year average)	1.6%	0.4%	-0.3%	-1.6%
Graduates	448	641	616	229
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	5	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	4	3
Rank 4, Industry Input				
Rank, Overall	4	3	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Manitoba – Total Engineers

Total Engineers	2008e	2009f	2010f	2011f
Employment	4359	4760	4972	4950
% Change in Employment	1.1%	9.2%	4.4%	-0.4%
Trend Employment	4336	4560	4866	4961
% Change in Trend Employment	3.3%	5.2%	6.7%	2.0%
Change in trend employment	140	224	306	95
Graduates entering the Labour Force ¹	161	111	152	146
Immigrants by intended occupation (incl TFW)	158	158	158	158
Replacement Demand	138	74	77	80
Replacement Demand as a % of the Labour Force	3.01	1.66	1.75	1.85
Excess Supply	41	-29	-73	130
Excess Supply as a % of Trend Employment	1.0%	-0.6%	-1.5%	2.6%
Excess Supply as a % of Trend Employment (2 year average)	2.3%	0.2%	-1.1%	0.6%
Graduates	230	158	217	209
Rank 1, Excess Supply Rate	3	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	5	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	4	4	3
Rank 4, Industry Input				
Rank, Overall	3	4	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Manitoba – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	8348	9064	9420	9394
% Change in Employment	1.5%	8.6%	3.9%	-0.3%
Trend Employment	8285	8706	9242	9407
% Change in Trend Employment	3.6%	5.1%	6.2%	1.8%
Change in trend employment	289	421	536	165
Graduates entering the Labour Force ¹	252	252	252	252
Immigrants by intended occupation	72	72	72	72
Replacement Demand	230	130	141	152
Replacement Demand as a % of the Labour Force	2.37	1.37	1.51	1.65
Excess Supply	-195	-227	-353	7
Excess Supply as a % of Trend Employment	-2.4%	-2.6%	-3.8%	0.1%
Excess Supply as a % of Trend Employment (2 year average)	2.6%	-2.5%	-3.2%	-1.9%
Graduates	360	360	360	360
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	4	4	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Manitoba – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	12707	13825	14391	14344
% Change in Employment	1.4%	8.8%	4.1%	-0.3%
Trend Employment	12620	13266	14108	14368
% Change in Trend Employment	3.5%	5.1%	6.3%	1.8%
Change in trend employment	429	645	842	260
Graduates entering the Labour Force ¹	337	287	319	176
Immigrants by intended occupation (incl TFW)	230	230	230	230
Replacement Demand	369	204	218	232
Replacement Demand as a % of the Labour Force	2.58	1.46	1.59	1.71
Excess Supply	-230	-332	-511	-85
Excess Supply as a % of Trend Employment	-1.8%	-2.5%	-3.6%	-0.6%
Excess Supply as a % of Trend Employment (2 year average)	1.9%	-2.2%	-3.1%	-2.1%
Graduates	482	410	456	252
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	5	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	4	4	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Civil Engineers

Civil engineers	2008e	2009f	2010f	2011f
Employment	17041	17360	17746	18236
% Change in Employment	0.5%	1.9%	2.2%	2.8%
Trend Employment	16995	17201	17553	17991
% Change in Trend Employment	1.8%	1.2%	2.0%	2.5%
Change in trend employment	296	205	353	438
Graduates entering the Labour Force ¹	472	465	443	553
Immigrants by intended occupation (incl TFW)	566	566	566	566
Replacement Demand	457	433	448	465
Replacement Demand as a % of the Labour Force	2.20	2.14	2.26	2.40
Excess Supply	285	392	208	216
Excess Supply as a % of Trend Employment	1.7%	2.3%	1.2%	1.2%
Excess Supply as a % of Trend Employment (2 year average)	1.4%	2.0%	1.7%	1.2%
Graduates	674	664	632	790
Rank 1, Excess Supply Rate	3	3	3	3
Rank 2, Replacement Demand as a % of Labour Force	4	4	4	5
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Mechanical Engineers

Mechanical engineers	2008e	2009f	2010f	2011f
Employment	19534	19795	20402	20941
% Change in Employment	-1.8%	1.3%	3.1%	2.6%
Trend Employment	19712	19664	20099	20672
% Change in Trend Employment	1.0%	-0.2%	2.2%	2.9%
Change in trend employment	194	-48	434	573
Graduates entering the Labour Force ¹	1114	708	447	810
Immigrants by intended occupation (incl TFW)	1242	1242	1242	1242
Replacement Demand	466	417	438	462
Replacement Demand as a % of the Labour Force	2.03	1.86	1.99	2.14
Excess Supply	1696	1581	817	1017
Excess Supply as a % of Trend Employment	8.6%	8.0%	4.1%	4.9%
Excess Supply as a % of Trend Employment (2 year average)	8.1%	8.3%	6.1%	4.5%
Graduates	1591	1012	639	1157
Rank 1, Excess Supply Rate	2	2	3	2
Rank 2, Replacement Demand as a % of Labour Force	4	3	4	4
Rank 3, Annual % Change in Trend Employment Growth	3	2	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Electrical & Electronics Engineers

Electrical and electronics engineers	2008e	2009f	2010f	2011f
Employment	15606	15850	16307	16808
% Change in Employment	-2.5%	1.6%	2.9%	3.1%
Trend Employment	15806	15728	16079	16558
% Change in Trend Employment	1.8%	-0.5%	2.2%	3.0%
Change in trend employment	278	-78	351	479
Graduates entering the Labour Force ¹	690	652	528	643
Immigrants by intended occupation (incl TFW)	981	981	981	981
Replacement Demand	235	201	214	230
Replacement Demand as a % of the Labour Force	1.81	1.58	1.71	1.87
Excess Supply	1158	1510	944	914
Excess Supply as a % of Trend Employment	7.3%	9.6%	5.9%	5.5%
Excess Supply as a % of Trend Employment (2 year average)	8.4%	8.5%	7.7%	5.7%
Graduates	986	932	754	918
Rank 1, Excess Supply Rate	2	2	2	2
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	2	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Industrial & Manufacturing Engineers

Industrial and manufacturing engineers	2008e	2009f	2010f	2011f
Employment	9920	10039	10365	10741
% Change in Employment	-2.8%	1.2%	3.2%	3.6%
Trend Employment	10062	9979	10202	10553
% Change in Trend Employment	-1.6%	-0.8%	2.2%	3.4%
Change in trend employment	-163	-83	223	351
Graduates entering the Labour Force ¹	137	79	61	164
Immigrants by intended occupation (incl TFW)	468	468	468	468
Replacement Demand	166	139	147	156
Replacement Demand as a % of the Labour Force	1.79	1.52	1.64	1.77
Excess Supply	601	491	159	124
Excess Supply as a % of Trend Employment	6.0%	4.9%	1.6%	1.2%
Excess Supply as a % of Trend Employment (2 year average)	6.5%	5.4%	3.2%	1.4%
Graduates	195	113	87	234
Rank 1, Excess Supply Rate	2	2	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	2	2	3	3
Rank 4, Industry Input				
Rank, Overall	2	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Other Engineers

Other Engineers	2008e	2009f	2010f	2011f
Employment	21259	21584	22177	22911
% Change in Employment	-1.0%	1.5%	2.7%	3.3%
Trend Employment	21371	21422	21880	22544
% Change in Trend Employment	1.9%	0.2%	2.1%	3.0%
Change in trend employment	397	50	459	664
Graduates entering the Labour Force ¹	431	658	1328	1155
Immigrants by intended occupation (incl TFW)	888	888	888	888
Replacement Demand	353	248	265	281
Replacement Demand as a % of the Labour Force	1.61	1.15	1.24	1.33
Excess Supply	568	1248	1492	1098
Excess Supply as a % of Trend Employment	2.7%	5.8%	6.8%	4.9%
Excess Supply as a % of Trend Employment (2 year average)	-2.8%	4.2%	6.3%	5.8%
Graduates	615	940	1897	1650
Rank 1, Excess Supply Rate	3	2	2	3
Rank 2, Replacement Demand as a % of Labour Force	3	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	2	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Total Engineers

Total Engineers	2008e	2009f	2010f	2011f
Employment	87237	88650	91082	94023
% Change in Employment	-1.1%	1.6%	2.7%	3.2%
Trend Employment	87712	87943	89866	92552
% Change in Trend Employment	1.1%	0.3%	2.2%	3.0%
Change in trend employment	944	231	1922	2687
Graduates entering the Labour Force ¹	3226	3146	3008	4003
Immigrants by intended occupation (incl TFW)	4392	4392	4392	4392
Replacement Demand	1541	1492	1572	1659
Replacement Demand as a % of the Labour Force	1.64	1.61	1.73	1.85
Excess Supply	5133	5815	3907	4049
Excess Supply as a % of Trend Employment	5.9%	6.6%	4.3%	4.4%
Excess Supply as a % of Trend Employment (2 year average)	5.1%	6.2%	5.5%	4.4%
Graduates	4608	4494	4298	5718
Rank 1, Excess Supply Rate	2	2	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Technical Occupations in Physical Sciences

Technical Occupations in Physical Sciences	2008e	2009f	2010f	2011f
Employment	14652	14815	15229	15665
% Change in Employment	-0.3%	1.1%	2.8%	2.9%
Trend Employment	14674	14733	15022	15447
% Change in Trend Employment	1.7%	0.4%	2.0%	2.8%
Change in trend employment	246	60	288	425
Graduates entering the Labour Force ¹	343	343	343	343
Immigrants by intended occupation (incl TFW)	183	183	183	183
Replacement Demand	248	211	229	252
Replacement Demand as a % of the Labour Force	1.45	1.25	1.38	1.53
Excess Supply	32	255	8	-150
Excess Supply as a % of Trend Employment	0.2%	1.7%	0.1%	-1.0%
Excess Supply as a % of Trend Employment (2 year average)	3.6%	1.0%	0.9%	-0.5%
Graduates	490	490	490	490
Rank 1, Excess Supply Rate	4	3	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Technical Inspectors & Regulatory Officers

Technical Inspectors and Regulatory Officers	2008e	2009f	2010f	2011f
Employment	17240	17663	17994	18224
% Change in Employment	3.0%	2.5%	1.9%	1.3%
Trend Employment	16986	17451	17828	18109
% Change in Trend Employment	1.8%	2.7%	2.2%	1.6%
Change in trend employment	292	465	377	281
Graduates entering the Labour Force ¹	57	57	57	57
Immigrants by intended occupation (incl TFW)	142	142	142	142
Replacement Demand	324	299	324	344
Replacement Demand as a % of the Labour Force	2.00	1.88	2.08	2.25
Excess Supply	-417	-566	-503	-426
Excess Supply as a % of Trend Employment	-2.5%	-3.2%	-2.8%	-2.4%
Excess Supply as a % of Trend Employment (2 year average)	-4.0%	-2.8%	-3.0%	-2.6%
Graduates	81	81	81	81
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	3	4	4
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Technical Occupations in Civil, Mechanical & Industrial Engineering

Technical Occupations in Civil, Mechanical and Industrial Engineering	2008e	2009f	2010f	2011f
Employment	25385	25680	26331	26917
% Change in Employment	-0.3%	1.2%	2.5%	2.2%
Trend Employment	25425	25532	26005	26624
% Change in Trend Employment	0.1%	0.4%	1.9%	2.4%
Change in trend employment	27	108	473	618
Graduates entering the Labour Force ¹	2185	2185	2185	2185
Immigrants by intended occupation (incl TFW)	972	972	972	972
Replacement Demand	253	235	241	250
Replacement Demand as a % of the Labour Force	1.66	1.56	1.63	1.72
Excess Supply	2877	2815	2444	2289
Excess Supply as a % of Trend Employment	11.3%	11.0%	9.4%	8.6%
Excess Supply as a % of Trend Employment (2 year average)	7.2%	11.2%	10.2%	9.0%
Graduates	3122	3122	3122	3122
Rank 1, Excess Supply Rate	1	1	2	2
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	2	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Technical Occupations in Electronics & Electrical Engineering

Technical Occupations in Electronics and Electrical Engineering	2008e	2009f	2010f	2011f
Employment	19155	19496	19990	20487
% Change in Employment	0.1%	1.8%	2.5%	2.5%
Trend Employment	19142	19326	19743	20239
% Change in Trend Employment	0.9%	1.0%	2.2%	2.5%
Change in trend employment	168	184	417	495
Graduates entering the Labour Force ¹	2006	2006	2006	2006
Immigrants by intended occupation (incl TFW)	758	758	758	758
Replacement Demand	227	223	239	256
Replacement Demand as a % of the Labour Force	1.28	1.27	1.38	1.50
Excess Supply	2369	2357	2108	2013
Excess Supply as a % of Trend Employment	12.4%	12.2%	10.7%	9.9%
Excess Supply as a % of Trend Employment (2 year average)	10.2%	12.3%	11.4%	10.3%
Graduates	2866	2866	2866	2866
Rank 1, Excess Supply Rate	1	1	1	2
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	2	2	2	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Technical Occupations in Architecture, Drafting, Surveying & Mapping

Technical Occupations in Architecture, Drafting, Surveying and Mapping	2008e	2009f	2010f	2011f
Employment	22480	22818	23386	24118
% Change in Employment	-0.8%	1.5%	2.5%	3.1%
Trend Employment	22568	22649	23102	23752
% Change in Trend Employment	2.5%	0.4%	2.0%	2.8%
Change in trend employment	550	81	453	650
Graduates entering the Labour Force ¹	564	564	564	564
Immigrants by intended occupation (incl TFW)	189	189	189	189
Replacement Demand	433	405	418	435
Replacement Demand as a % of the Labour Force	1.69	1.62	1.69	1.79
Excess Supply	-229	266	-119	-331
Excess Supply as a % of Trend Employment	-1.0%	1.2%	-0.5%	-1.4%
Excess Supply as a % of Trend Employment (2 year average)	0.5%	0.1%	0.3%	-1.0%
Graduates	806	806	806	806
Rank 1, Excess Supply Rate	4	3	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	3	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	98816	100375	102830	105308
% Change in Employment	0.1%	1.6%	2.4%	2.4%
Trend Employment	98746	99596	101603	104069
% Change in Trend Employment	1.3%	0.9%	2.0%	2.4%
Change in trend employment	1235	849	2007	2466
Graduates entering the Labour Force ¹	5156	5156	5156	5156
Immigrants by intended occupation (incl TFW)	2244	2244	2244	2244
Replacement Demand	1405	1320	1396	1477
Replacement Demand as a % of the Labour Force	1.52	1.45	1.56	1.68
Excess Supply	4759	5230	3997	3456
Excess Supply as a % of Trend Employment	4.8%	5.3%	3.9%	3.3%
Excess Supply as a % of Trend Employment (2 year average)	3.9%	5.0%	4.6%	3.6%
Graduates	7365	7365	7365	7365
Rank 1, Excess Supply Rate	3	2	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	2	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	2	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Ontario – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	186053	189025	193912	199331
% Change in Employment	-0.4%	1.6%	2.6%	2.8%
Trend Employment	186459	187539	191468	196621
% Change in Trend Employment	1.2%	0.6%	2.1%	2.7%
Change in trend employment	2179	1080	3929	5153
Graduates entering the Labour Force ¹	6834	6755	7338	3609
Immigrants by intended occupation (incl TFW)	6636	6636	6636	6636
Replacement Demand	2932	2794	2949	3117
Replacement Demand as a % of the Labour Force	1.57	1.52	1.63	1.76
Excess Supply	8359	9516	7095	1975
Excess Supply as a % of Trend Employment	4.5%	5.1%	3.7%	1.0%
Excess Supply as a % of Trend Employment (2 year average)	3.6%	4.8%	4.4%	2.4%
Graduates	9764	9650	10483	5156
Rank 1, Excess Supply Rate	3	2	3	3
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Civil Engineers

Civil engineers	2008e	2009f	2010f	2011f
Employment	10207	10763	10719	11052
% Change in Employment	1.1%	5.4%	-0.4%	3.1%
Trend Employment	10152	10485	10741	10885
% Change in Trend Employment	5.2%	3.3%	2.4%	1.3%
Change in trend employment	499	333	256	144
Graduates entering the Labour Force ¹	414	418	396	644
Immigrants by intended occupation (incl TFW)	242	242	242	242
Replacement Demand	353	299	310	320
Replacement Demand as a % of the Labour Force	2.18	1.88	1.99	2.10
Excess Supply	-196	28	72	421
Excess Supply as a % of Trend Employment	-1.9%	0.3%	0.7%	3.9%
Excess Supply as a % of Trend Employment (2year average)	4.8%	-0.8%	0.5%	2.3%
Graduates	591	597	565	920
Rank 1, Excess Supply Rate	4	4	4	3
Rank 2, Replacement Demand as a % of Labour Force	4	3	4	4
Rank 3, Annual % Change in Trend Employment Growth	4	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Mechanical Engineers

Mechanical engineers	2008e	2009f	2010f	2011f
Employment	8355	8707	7569	7904
% Change in Employment	19.3%	4.2%	-13.1%	4.4%
Trend Employment	7678	8531	8138	7737
% Change in Trend Employment	15.3%	11.1%	-4.6%	-4.9%
Change in trend employment	1018	853	-393	-401
Graduates entering the Labour Force ¹	624	561	470	659
Immigrants by intended occupation (incl TFW)	290	290	290	290
Replacement Demand	97	89	92	98
Replacement Demand as a % of the Labour Force	1.31	1.21	1.27	1.36
Excess Supply	-201	-91	1061	1252
Excess Supply as a % of Trend Employment	-2.6%	-1.1%	13.0%	16.2%
Excess Supply as a % of Trend Employment (2year average)	-5.6%	-1.8%	6.0%	14.6%
Graduates	891	801	671	941
Rank 1, Excess Supply Rate	4	4	1	1
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	5	5	2	2
Rank 4, Industry Input				
Rank, Overall	4	4	2	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Electrical & Electronics Engineers

Electrical and electronics engineers	2008e	2009f	2010f	2011f
Employment	10170	11119	10685	11503
% Change in Employment	12.4%	9.3%	-3.9%	7.7%
Trend Employment	9608	10645	10902	11094
% Change in Trend Employment	11.7%	10.8%	2.4%	1.8%
Change in trend employment	1005	1036	257	192
Graduates entering the Labour Force ¹	356	427	512	508
Immigrants by intended occupation (incl TFW)	435	435	435	435
Replacement Demand	133	143	150	162
Replacement Demand as a % of the Labour Force	1.21	1.31	1.40	1.53
Excess Supply	-347	-317	539	589
Excess Supply as a % of Trend Employment	-3.6%	-3.0%	4.9%	5.3%
Excess Supply as a % of Trend Employment (2year average)	16.4%	-3.3%	1.0%	5.1%
Graduates	509	610	731	725
Rank 1, Excess Supply Rate	4	4	2	2
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	5	5	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	2	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Total Engineers

Total engineers	2008e	2009f	2010f	2011f
Employment	51403	53760	48409	50359
% Change in Employment	17.6%	4.6%	-10.0%	4.0%
Trend Employment	47550	52581	51084	49384
% Change in Trend Employment	13.0%	10.6%	-2.8%	-3.3%
Change in trend employment	5469	5031	-1497	-1701
Graduates entering the Labour Force ¹	2240	1868	2002	2734
Immigrants by intended occupation (incl TFW)	1657	1657	1657	1657
Replacement Demand	739	695	714	752
Replacement Demand as a % of the Labour Force	1.45	1.39	1.44	1.54
Excess Supply	-2311	-2202	4442	5340
Excess Supply as a % of Trend Employment	-4.9%	-4.2%	8.7%	10.8%
Excess Supply as a % of Trend Employment (2year average)	2.3%	-4.5%	2.3%	9.8%
Graduates	3200	2668	2860	3906
Rank 1, Excess Supply Rate	4	4	2	1
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	5	5	2	2
Rank 4, Industry Input				
Rank, Overall	4	4	2	2

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Technical Occupations in Physical Sciences

Technical Occupations in Physical Sciences	2008e	2009f	2010f	2011f
Employment	13384	14172	11885	11767
% Change in Employment	29.4%	5.9%	-16.1%	-1.0%
Trend Employment	11862	13778	13028	11826
% Change in Trend Employment	19.5%	16.2%	-5.4%	-9.2%
Change in trend employment	1932	1916	-750	-1202
Graduates entering the Labour Force ¹	102	102	102	102
Immigrants by intended occupation (incl TFW)	96	96	96	96
Replacement Demand	124	110	118	126
Replacement Demand as a % of the Labour Force	1.36	1.22	1.33	1.44
Excess Supply	-1857	-1828	830	1274
Excess Supply as a % of Trend Employment	-15.7%	-13.3%	6.4%	10.8%
Excess Supply as a % of Trend Employment (2 year average)	-2.6%	-14.5%	-3.4%	8.6%
Graduates	146	146	146	146
Rank 1, Excess Supply Rate	5	5	2	1
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	5	5	1	1
Rank 4, Industry Input				
Rank, Overall	4	4	2	1

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Technical Inspectors & Regulatory Officers

Technical Inspectors and Regulatory Officers	2008e	2009f	2010f	2011f
Employment	9163	9525	9206	9418
% Change in Employment	5.8%	3.9%	-3.3%	2.3%
Trend Employment	8911	9344	9366	9312
% Change in Trend Employment	8.0%	4.9%	0.2%	-0.6%
Change in trend employment	659	434	21	-54
Graduates entering the Labour Force ¹	32	32	32	32
Immigrants by intended occupation (incl TFW)	12	12	12	12
Replacement Demand	115	134	139	150
Replacement Demand as a % of the Labour Force	1.82	2.15	2.29	2.53
Excess Supply	-731	-524	-117	-53
Excess Supply as a % of Trend Employment	-8.2%	-5.6%	-1.3%	-0.6%
Excess Supply as a % of Trend Employment (2 year average)	-10.7%	-6.9%	-3.4%	-0.9%
Graduates	45	45	45	45
Rank 1, Excess Supply Rate	5	5	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	4	4	5
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	2
Rank 4, Industry Input				
Rank, Overall	4	5	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Technical Occupations in Civil, Mechanical & Industrial Engineering

Technical Occupations in Civil, Mechanical and Industrial Engineering	2008e	2009f	2010f	2011f
Employment	18237	18994	19523	20135
% Change in Employment	-0.5%	4.1%	2.8%	3.1%
Trend Employment	18280	18616	19259	19829
% Change in Trend Employment	2.5%	1.8%	3.5%	3.0%
Change in trend employment	439	336	643	571
Graduates entering the Labour Force ¹	351	351	351	351
Immigrants by intended occupation (incl TFW)	238	238	238	238
Replacement Demand	231	212	224	245
Replacement Demand as a % of the Labour Force	1.65	1.54	1.65	1.83
Excess Supply	-81	41	-278	-226
Excess Supply as a % of Trend Employment	-0.4%	0.2%	-1.4%	-1.1%
Excess Supply as a % of Trend Employment (2 year average)	1.0%	-0.1%	-0.6%	-1.3%
Graduates	501	501	501	501
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	3	3	3	3
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Technical Occupations in Electronics & Electrical Engineering

Technical Occupations in Electronics and Electrical Engineering	2008e	2009f	2010f	2011f
Employment	17203	18119	18754	19455
% Change in Employment	0.3%	5.3%	3.5%	3.7%
Trend Employment	17175	17661	18436	19105
% Change in Trend Employment	2.6%	2.8%	4.4%	3.6%
Change in trend employment	441	485	775	668
Graduates entering the Labour Force ¹	237	237	237	237
Immigrants by intended occupation (incl TFW)	325	325	325	325
Replacement Demand	236	233	249	269
Replacement Demand as a % of the Labour Force	1.11	1.11	1.20	1.31
Excess Supply	-115	-156	-463	-376
Excess Supply as a % of Trend Employment	-0.7%	-0.9%	-2.5%	-2.0%
Excess Supply as a % of Trend Employment (2 year average)	2.5%	-0.8%	-1.7%	-2.2%
Graduates	338	338	338	338
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	3	3	4	3
Rank 4, Industry Input				
Rank, Overall	3	3	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Technical Occupations in Architecture, Drafting, Surveying & Mapping

Technical Occupations in Architecture, Drafting, Surveying and Mapping	2008e	2009f	2010f	2011f
Employment	20879	21461	21917	22482
% Change in Employment	0.2%	2.8%	2.1%	2.6%
Trend Employment	20859	21170	21689	22200
% Change in Trend Employment	2.2%	1.5%	2.5%	2.4%
Change in trend employment	440	311	519	511
Graduates entering the Labour Force ¹	28	28	28	28
Immigrants by intended occupation (incl TFW)	67	67	67	67
Replacement Demand	270	243	254	270
Replacement Demand as a % of the Labour Force	1.28	1.17	1.24	1.33
Excess Supply	-614	-459	-678	-686
Excess Supply as a % of Trend Employment	-2.9%	-2.2%	-3.1%	-3.1%
Excess Supply as a % of Trend Employment (2 year average)	-6.9%	-2.6%	-2.6%	-3.1%
Graduates	40	40	40	40
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	2
Rank 3, Annual % Change in Trend Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	78781	82181	81191	83161
% Change in Employment	4.6%	4.3%	-1.2%	2.4%
Trend Employment	77044	80481	81686	82176
% Change in Trend Employment	5.3%	4.5%	1.5%	0.6%
Change in trend employment	3868	3437	1205	490
Graduates entering the Labour Force ¹	749	749	749	749
Immigrants by intended occupation (incl TFW)	738	738	738	738
Replacement Demand	956	923	978	1054
Replacement Demand as a % of the Labour Force	1.33	1.30	1.40	1.53
Excess Supply	-3337	-2873	-696	-57
Excess Supply as a % of Trend Employment	-4.3%	-3.6%	-0.9%	-0.1%
Excess Supply as a % of Trend Employment (2 year average)	-2.7%	-4.0%	-2.2%	-0.5%
Graduates	1070	1070	1070	1070
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	3	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Quebec – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	130184	135941	129600	133520
% Change in Employment	9.39%	4.42%	-4.66%	3.02%
Trend Employment	124594	133063	132770	131560
% Change in Trend Employment	8.1%	6.8%	-0.2%	-0.9%
Change in trend employment	9337	8468	-292	-1210
Graduates entering the Labour Force ¹	2764	2392	2846	524
Immigrants by intended occupation (incl TFW)	2395	2395	2395	2395
Replacement Demand	1683	1611	1688	1805
Replacement Demand as a % of the Labour Force	1.37	1.33	1.41	1.53
Excess Supply	-5861	-5292	3845	2324
Excess Supply as a % of Trend Employment	-4.7%	-4.0%	2.9%	1.8%
Excess Supply as a % of Trend Employment (2 year average)	-1.1%	-4.3%	-0.5%	2.3%
Graduates	3949	3417	4066	749
Rank 1, Excess Supply Rate	4	4	3	3
Rank 2, Replacement Demand as a % of Labour Force	2	2	2	3
Rank 3, Annual % Change in Trend Employment Growth	4	4	2	2
Rank 4, Industry Input				
Rank, Overall	4	4	3	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Atlantic Canada – Total Engineers

Total engineers	2008e	2009f	2010f	2011f
Employment	9653	9926	10191	10396
% Change in Employment	2.8%	2.8%	2.7%	2.0%
Trend Employment	9519	9789	10059	10293
% Change in Trend Employment	1.6%	2.8%	2.8%	2.3%
Change in trend employment	151	270	269	235
Graduates entering the Labour Force ¹	463	426	171	617
Immigrants by intended occupation (incl TFW)	224	224	224	224
Replacement Demand	242	200	208	213
Replacement Demand as a % of the Labour Force	2.23	1.89	2.00	2.09
Excess Supply	295	179	-82	393
Excess Supply as a % of Trend Employment	3.1%	1.8%	-0.8%	3.8%
Excess Supply as a % of Trend Employment (2 year average)	4.0%	2.5%	0.5%	1.5%
Graduates	662	608	244	881
Rank 1, Excess Supply Rate	3	3	4	3
Rank 2, Replacement Demand as a % of Labour Force	4	3	4	4
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	3	4	3

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Atlantic Canada – Total Technical Occupations

Total Technical Occupations	2008e	2009f	2010f	2011f
Employment	16741	17243	17715	18078
% Change in Employment	2.6%	3.0%	2.7%	2.0%
Trend Employment	16525	16992	17479	17896
% Change in Trend Employment	1.5%	2.8%	2.9%	2.4%
Change in trend employment	241	467	487	417
Graduates entering the Labour Force ¹	476	476	476	476
Immigrants by intended occupation (incl TFW)	177	177	177	177
Replacement Demand	316	260	276	291
Replacement Demand as a % of the Labour Force	1.94	1.63	1.76	1.89
Excess Supply	97	-74	-110	-55
Excess Supply as a % of Trend Employment	0.6%	-0.4%	-0.6%	-0.3%
Excess Supply as a % of Trend Employment (2 year average)	3.7%	0.1%	-0.5%	-0.5%
Graduates	680	680	680	680
Rank 1, Excess Supply Rate	4	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	3	3	3
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	4	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs

Atlantic Canada – Total ETT Occupations

Total ETT Occupations	2008e	2009f	2010f	2011f
Employment	26394	27170	27906	28473
% Change in Employment	2.7%	2.9%	2.7%	2.0%
Trend Employment	26045	26782	27538	28190
% Change in Trend Employment	1.5%	2.8%	2.8%	2.4%
Change in trend employment	392	737	756	652
Graduates entering the Labour Force ¹	797	759	834	333
Immigrants by intended occupation (incl TFW)	401	401	401	401
Replacement Demand	552	455	479	500
Replacement Demand as a % of the Labour Force	2.04	1.72	1.84	1.95
Excess Supply	254	-32	-1	-418
Excess Supply as a % of Trend Employment	1.0%	-0.1%	0.0%	-1.5%
Excess Supply as a % of Trend Employment (2 year average)	3.3%	0.4%	-0.1%	-0.7%
Graduates	1,138	1,084	1,191	476
Rank 1, Excess Supply Rate	3	4	4	4
Rank 2, Replacement Demand as a % of Labour Force	4	3	3	4
Rank 3, Annual % Change in Employment Growth	3	3	3	3
Rank 4, Industry Input				
Rank, Overall	3	4	4	4

¹ Includes an adjustment = 70% of the total number of graduates completing Canadian engineering programs