

LEGCO QUESTION NO. 11

Appendix

**The Course Titles, Course Duration and Number of Graduates of Training Courses
on Electrical and Mechanical Engineering Services
Related to the Construction Industry
Over the Past Five Years**

Professionals (Source : Education Bureau (EDB))

Training Institution	Course title	Course Duration	Number of graduates				
			2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13
Education Institutions funded through the University Grants Committee	Bachelor Degree [Note 1]- Building Services Engineering, Electrical Engineering, Mechanical Engineering	3 – 4 years	394	442	460	430	452
Vocational Training Council (VTC) –School for Higher and Professional Education	Bachelor of Engineering (Electrical Engineering) (Honours) [Note 2]	2 years	-	-	-	-	-
	Bachelor of Engineering (Mechanical Engineering) (Honours) [Note 2]	2 years	-	-	-	-	-

Note 1: The new academic structure (4 years) has been put in place since 2012/13 academic year. The statistics on the graduates of the 2013/14 academic year are not available for the time being.

Note 2: These are top-up degree programmes co-organised with the Royal Melbourne Institute of Technology. The first batch of students will graduate in 2016.

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Technicians / Workers

Training Institution	Course title	Course Duration	Number of graduates				
			2010	2011	2012	2013	2014
Hong Kong Polytechnic University – Hong Kong Community College (Source: EDB)	Higher Diploma (HD) in Mechanical Engineering	2 years	-	19	34	50	[Note 3]
VTC - Hong Kong Institute of Vocational Education (Source: VTC)	HD in Building Services Engineering	2 – 3 years	56	55	75	89	187
	HD in Electrical and Mechanical Services	2 – 3 years	27	38	49	44	57
	HD in Electrical Engineering	2 – 3 years	253	219	214	279	386
	HD in Electrical Services Engineering	2 – 3 years	-	12	13	16	[Note 4]
	HD in Environmental Engineering and Energy Management	2 – 3 years	25	53	65	68	[Note 4]
	HD in Intelligent Building Technology & Automation Engineering	2 – 3 years	43	31	37	30	24
	HD in Mechanical Engineering	2 – 3 years	131	137	183	150	279
VTC – Youth College (Source: VTC)	DVE (Building Services Engineering)	1 or 3 years [Note 5]	223	285	92	122	97
	DVE (Electrical Engineering)	1 or 3 years [Note 5]	244	299	117	165	93
	DVE (Mechanical Engineering)	1 or 3 years [Note 5]	208	220	38	107	169

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Training Institution	Course title	Course Duration	Number of graduates				
			2010	2011	2012	2013	2014
Electrical and Mechanical Services Department (EMSD) <i>(Source: EMSD)</i>	EMSD Technician Training Scheme - Mechanical	3 - 4 years	21	20	28	20	27
	EMSD Technician Training Scheme - Vehicle		14	11	2	6	2
	EMSD Technician Training Scheme - Electrical		7	18	23	27	38
	EMSD Technician Training Scheme - Air-conditioning		3	1	10	14	11
	EMSD Technician Training Scheme - Electronics		4	3	4	7	6
Hong Kong Institute of Technology <i>(Source: EDB)</i>	Yi Jin Diploma Course - Building Services Studies	1 year (Full-time)	The Yi Jin Scheme did not include construction- related E&M training courses before 2012. With the implementation of the new academic structure and the suspension of the HKCEE in 2012, the EDB introduced the Yi Jin Diploma Programme in 2012/13 to replace the former Project Yi Jin Programme			31	24
Construction Industry Council (CIC) <i>(Source: CIC)</i>	Contractor Cooperative Training Scheme - E&M Trade including: <ul style="list-style-type: none"> • Electrical Wireman • Fire Service Electrical Fitter • Fire Service Mechanical Fitter 	150 days	0	0	0	0	41

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Training Institution	Course title	Course Duration	Number of graduates				
			2010	2011	2012	2013	2014
	<ul style="list-style-type: none"> • Lift Mechanic • Escalator Mechanic • Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System) • Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation) • Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 						
Employees Retraining Board <i>(Source: Labour Welfare Bureau) [Note 6]</i>	Foundation Certificate in Electrical Wireman Training (Intermediate Trade Test)	260 hours	680				
	Foundation Certificate in Welder Training	200 hours	30				
	Foundation Certificate in Plumber Training for Interior Renovation (Intermediate Trade Test)	160 hours	130				
	Certificate in Electrical Worker Training	144 hours	20				
	Module Certificate in Fire Services (Electrical) System (Installation Skills)	51 hours	60				

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Training Institution	Course title	Course Duration	Number of graduates				
			2010	2011	2012	2013	2014
	Module Certificate in Fire Services (Water) System (Installation Skills)	51 hours	20				
	Module Certificate in Data Analysis for Carbon Audit	36 hours	10				

Note 3: The statistics on the 2014 graduates are not available for the time being.

Note 4: Courses merged or renamed after restructuring.

Note 5: Course duration is normally three years for trainees who have completed Secondary 3 or equivalent and one year for trainees who have completed Secondary 6 or equivalent.

Note 6: The number of graduates between 2010-11 and 2014-15 only tabulates the data as at 28 February 2015.

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