

Vocational Education for the Electrical & Mechanical Services Industry

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Major Electrical & Mechanical Services Sectors in Hong Kong

- Aircraft Maintenance Engineering
- Building Services Installation / Maintenance
 - Air-conditioning / ventilation systems services
 - Fire engineering services
 - Plumbing and drainage
 - Electrical wiring and fitting
- Lift / Escalator Installation and Maintenance
- Railways and Tramways

HD Programmes Related to Electrical & Mechanical Services Industry

Existing Programmes offered by IVE:

- HD in Aircraft Maintenance Engineering
- HD in Building Services Engineering
- HD in Electrical and Mechanical Services
- HD in Electrical Engineering
- HD in Mechanical Engineering

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Special Features of IVE HD Engineering Programmes

- 2-Year / 5-Semester
- Accredited by both HKCAAVQ and HKIE
- More than 60% of modules at QF Level 4
- Balance of General Education (GE) and Vocational Components
 GE (20 – 25%) / Vocational (75 – 80%)
- Full-time industry attachment in the final semester
- Employment rate of graduates > 90%

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Industry Attachment / Industry Based Student Project in the Final Sem (1)

- Provide engineering students with an opportunity to apply their knowledge and skills learned during the course to solve problems associated with their projects in a real life working environment.
- Students will be attached full-time in relevant industry when undertaking their final year project during the final semester (i.e. February – April)

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Industry Attachment / Industry Based Student Project in the Final Sem (2)

- Industry Attachment / Industry Based Student Project will be jointly assessed by IVE and industry supervisors
- More than **200** companies offered **603** industry placements to IVE engineering students in 2012/13 AY

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Top 10 Companies That Offered the Most Number of Placement Opportunities in 2012/13 AY

- ATAL
- China Light & Power
- FSE Engineering Group Limited
- HAECO
- Hong Kong Association of Property Services Agents
- Jardine Engineering Corporation (JEC)
- Johnson Controls Hong Kong Limited
- Kai Shing Management Services Limited
- MTR Corporation Limited
- Siemens Limited

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Benefits of Industrial Attachment in Final Semester

- Strong collaboration with industry for programme development
- Company can identify potential students for employment
- Students will experience a real life working environment during their study so as to appreciate the business of the trade
- Seamless transition from study to employment

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International Exposure and Enrichment Activities (1)

World Solar Challenge 2013,
Australia
October 2013



Shell Eco-marathon Asia
2012, Kuala Lumpur
July 2012

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International Exposure and Enrichment Activities (2)

- Worldskills Competition 2013 in Leipzig, Germany
- ROBOCON 2010 in Cairo, Egypt
- Long stay exchange for students to undertake their final year project in overseas academic institutions
 - Ngee Ann Polytechnic, Singapore
 - Institute of National College of Technology (INCT), Japan

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Top-up Degree Programmes for Relevant HD Engineering Graduates

Degree programmes offered by VTC in collaboration with:

- RMIT University, Australia
 - BEng (Electrical Engineering)
 - BEng (Mechanical Engineering)
- University of Central Lancashire, UK
 - BEng (Hons) Building Services and Sustainable Engineering

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In-service Training Programmes for Practitioners of E&M Trade

- Professional Diploma in Electrical and Mechanical Technology in Buildings (Level 4)
- Professional Diploma in Railway Engineering (*planned to be launched in year end 2013*)
- Professional Diploma in Plumbing Engineering (Level 4) (*planned to be launched in early 2014*)

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Thank You