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HONG KONG INSTITUTE OF VOCATIONAL EDUCATION

CONSTRUCTION PROGRAMME BOARD

PART TIME DAY 3-year 9-semester

HIGHER DIPLOMA IN BUILDING STUDIES

Programme Code: EG314103

2016/17 Cohort

Programme Outline

12 September, 2016

**Department of Construction
Hong Kong Institute of Vocational Education**

Programme Information

HIGHER DIPLOMA IN BUILDING STUDIES - Part-time (Day) **建築學高級文憑 - 兼讀制(日間)**

General Aim:

This programme aims to provide students with industry/profession-specific knowledge and skills, together with the necessary language, IT, interpersonal and other generic skills for employment, further study and active citizenship. It also seeks to cultivate a spirit of lifelong learning and develop student's ability to learn how to learn..

Programme Intended Learning Outcomes :

- (a) communicate ideas effectively in written and spoken forms as well as perform IT, numerical and soft skill-based tasks effectively on building activities so that they can work independently as an individual and as a member or leader in the workplace;
- (b) reflect on personal learning needs and construct a personal development plan for employment and/or further study upon learning experience gained throughout the programme;
- (c) perform duties in construction projects professionally and ethically according to the code of conduct and requirements of building and engineering professionals in the multi-disciplinary construction industry;
- (d) undertake and manage projects, including investigation and planning, by applying the principles of project management in building works;
- (e) apply knowledge of various statutory requirements, mathematics, engineering fundamentals, general administrative and contractual procedures to practise in the building industry;
- (f) analyse different safety and health, legal, economical, societal, environmental and cultural situations in building projects and evaluate the consequent responsibilities of different professionals, higher technicians and builders in construction industry;
- (g) evaluate the impacts of technology solutions of a project in social, cultural and environmental context with consideration of the need for sustainable and green development;
- (h) formulate inspection plans for building works and building services works, based on knowledge of specifications and requirements of maintenance works;
- (i) devise alternate solutions to solve different construction problems by applying the principles and theories in building construction and formulate supervision plans on site;
- (j) apply both quantitative and qualitative techniques to analyze data and relate information according to specifications and evaluate tender and contract documents for building projects; and
- (k) apply a wide range of building information modeling and its applications to support and enhance the preparation of contract documents, working drawings and technical communication.

Duration:

Year 1 Entry: 9 semesters to be completed normally in 3 years

Important Website

- My Portal: <http://myportal.vtc.edu.hk>;
- Moodle: VTC e-learning Platform: <http://moodle.vtc.edu.hk>,
- Department of Construction, IVE(Morrison Hill) - Part-time day website: <http://cnmh.vtc.edu.hk/ptd/>

Campus and Year offering this Course:

- Morrison Hill Campus (First intake in September, 2012)
- **Tuen Mun Campus (First intake in September, 2015)**

Entry Requirements:**Holder of S6 (NSS) Qualification :**

Five HKDSE subjects at Level 2 or above, including English Language, Chinese Language and Mathematics; OR VTC Foundation Diploma (Level 3) with successful completion of Foundation Mathematics III; OR VTC Diploma in Vocational Education with successful completion of Mathematics 3G; OR Yi Jin Diploma with successful completion of Mathematics Plus; OR Equivalent.

Holder of S7 Qualification :

One HKALE A-Level subject / Two AS-Level subjects at Grade E or above and Five HKCEE subjects at Grade E / Level 2 or above, including English Language, Chinese Language and Mathematics [HKCEE English Language taken in 2006 or before should be at Grade E or above in Syllabus B / Grade C or above in Syllabus A]; or Equivalent

Career Opportunities:

Graduates may take up supervisory and technical positions in the building industry, such as technical officers, site supervisors, clerks of works, site agents, site engineers, project co-ordinators, quantity surveyors, maintenance officers, etc. Graduates will be issued Green Card which fulfills the Mandatory Basic Safety Training requirement for working in construction sites. Graduates with stipulated experience are eligible to fit into Grade T1 to T3 of the Technically Competent Person (TCP) in the Site Supervision Plans issued under the Buildings Ordinance.

Recommended Routes of Further Studies:

Topping-up Degree or Part-time Degree Courses offered by local universities or tertiary institution.

External Recognition/Accreditation

The course offered by Department of Construction (MH campus) has been accredited by the following professional bodies as satisfying the academic requirements for admission to the following memberships:

- Hong Kong Institute of Clerks of Works – Full exemption from Final Part 2 Examination.
- Royal Institution of Chartered Surveyors – Technical Member
- Hong Kong Institute of Construction Managers – Associate Member

Enquiries:

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The Curriculum:

The total hour is 1225 hours with not less than 91 hours equivalent Industrial Attachment (IA).

Students have to complete 40 core modules (minimum 346 credits), including one enrichment module (at least 6 credits) and 91-hour equivalent industrial attachment with 10 Credits to be qualified for the award of Higher Diploma.

There is an intermediate exit award at Diploma level, which is benchmarked at QF Level 3. Students opting for the intermediate exit award after meeting the stipulated requirements will be awarded a Diploma in Building Studies.

The minimum credit requirements for the Exit Award (Diploma in Building Studies) and the Intermediate Exit Award (Diploma in Building Studies) are shown in **Table 1**

Table 1 - Minimum Credit Requirements for Exit Award (Higher Diploma in Building Studies) and Intermediate Exit Award (Diploma in Building Studies)

Award	Minimum Credit Requirements				
	General Education Modules	Vocational Modules	Enrichment Module	IA Credits	Total
Higher Diploma in Building Studies	76	254	6	10	346
Diploma in Building Studies	30	115	N/A	N/A	145

Elective Modules

In Semester 9, students can **select TWO** out of four elective modules, subject to sufficient number of subscriptions for the module and availability of resources. The Institute reserves the rights to allocate the elective modules to the students.

The four elective modules are:

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|---|----------------------------------|
| (1) Building Finance and Economics | (CON4134), 10 credits, 39 hours; |
| (2) Maintenance and Facilities Management | (CON4141), 10 credits, 39 hours; |
| (3) Architectural Practice | (CON4144), 10 credits, 39 hours; |
| (4) Measurement of Building Works | (CON4521), 10 credits, 39 hours; |

Elective modules selection will be planned to be done in semester 7.

Enrichment Modules

Enrichment modules are modules from other disciplines to enhance your employability and widening your vocational in other aspects.

One module will be selected from a series of enrichment modules, which can be selected from On-line module System (OMS) of “My Portal”, <http://myportal.vtc.edu.hk>.

Enrichment module selection will be planned to be done in semester 8.

Industrial Attachment (IA) (CON4193)

You are required to be employed by industrial companies of relevant fields or simulated industrial environment to complete IA in Semester 7.

Exemption with Other Qualifications

Exemption given to students with **other qualifications / relevant experiences** upon meeting the specified exemption criteria concerned is given in below table.

Module	Exemption Criteria
English & Communication: Workplace Correspondence (LAN3103)	Students with Grade E or above in the Subject Grade AND the Component Grade of “Practical Skills for Work and Study” in HKASLE Use of English will be exempted from this module.
IT Essentials – Services (ITE3001)	Students with Level 3 or above in the Information and Communication Technology (ICT) subject of the Hong Kong Diploma of Secondary Education (HKDSE) Examination; or Grade E or above in HKALE Computer Studies or Grade E or above in HKASLE Computer Applications will be exempted from this module.
Mathematics for Construction (CON3001)	Students with Grade E or above in HKAL Pure Mathematics or equivalent will be exempted from this module.
Construction Science (CON3105)	Students with Grade E or above in HKALE Physics / Engineering Science or equivalent will be exempted from this module.

Attendance Requirement

The minimum attendance requirement for an individual module is **70%** of the maximum attendance for part-time day study. (*Student Handbook, 2016/17*)

NO Reassessment Normally

Normally, there is no reassessment on a module basis. Students who fail a module will be required to re-take the module concerned. (*Student Handbook, 2016/17*)

Module Selection and Study Load

Maximum / Range of study load in terms of number of Credit in each semester

Part-time Higher Diploma	Not more than 80 Credits (<i>Student Handbook, 2016/17</i>)
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PART TIME DAY HD in BUILDING STUDIES (EG314103) – 2016/17 Cohort

Module Code	Module Title	Credit Value	Curriculum Hours	QF Level
1st Semester (Autumn)				
LAN3100	English and Communication: Workplace Interaction	6	18	3
ITE3001	Information Technology Essentials – Services	6	18	3
CON3001	Mathematics for Construction	6	26	3
CON3501	Land Surveying	8	26	3
CON4121	Construction Materials	10	39	4
	Sub-total	36	127	
2nd Semester (Spring)				
LAN3003	職業中文傳意(一): 普通話對話與匯報	6	18	3
CON3003	Building Services	6	26	3
CON3105	Construction Science	7	26	3
CON4122	Building Construction	9	39	4
CON4153	Project Management with Law	7	26	4
	Sub-total	35	135	
3rd Semester (Summer)				
LAN3103	English and Communication: Workplace Correspondence	6	18	3
CON3206	Computer Aided Drafting and Detailing	10	39	3
CON4123	Construction and Site Management	9	39	4
	Sub-total	25	96	
4th Semester (Autumn)				
LAN4108	English and Communication: Persuasive Presentations [Not D]	9	18	4
SDD4001	Whole Person Development: Self-efficacy Enhancement	6	18	4
CON4110	Measurement and Documentation	10	39	4
CON4124	Building Ordinance and Construction Practice	9	39	4
CON4151	Construction Practice in China	6	26	4
CON2190	Practical Training (A)	3	23	2
	Sub-total	43	163	
5th Semester (Spring)				
SDD4002	Whole Person Development: Global Vision [Not D]	3	9	4
SDD4003	Whole Person Development: SMART in Action [Not D]	3	9	4
CON4152	Building Information Modelling for Building Works [Not D]	10	39	4
CON4129	Building Structures [Not D]	10	39	4
CON4191	Integrated Project	12	39	4
CON2191	Practical Training (B)	3	29	2
	Sub-total	41	164	
6th Semester (Summer)				
LAN4101	English and Communication: Promotional Materials	10	27	4
SDD4004	Whole Person Development: Integrated Career Development	3	9	4
CON4128	Building Technology and Sustainability	10	39	4
CON4132	Quality, Environmental and Safety Management	7	26	4
	Sub-total	30	101	
7th Semester (Autumn)				
LAN4003	職業中文傳意(三): 普通話報告與紀實文書	9	18	4
CON4126	Building Procurement and Contract Administration	10	39	4
CON4154	Building Temporary Works	10	39	4
CON4133	Building Maintenance and Adaptation	7	26	4
CON4155	Building Engineering and System	7	26	4
CON4193	Industrial Attachment	10	g ₁ ⁽²⁾	4
	Sub-total	53	239	
8th Semester (Spring)				

Diploma Award

Module Code	Module Title	Credit Value	Curriculum Hours	QF Level
LAN4107	English and Communication: Reports	9	18	4
CON4195	Industrial Based Student Project	48	78	4
	Sub-total	57	96	
9th Semester (Summer)				
	Enrichment Module	6	26	3
Select Any TWO out of 4 Elective Modules				
CON4134	Building Finance and Economics (Elective 1) ⁽¹⁾	10	39	4
CON4141	Maintenance and Facilities Management (Elective 2) ⁽¹⁾	10	39	4
CON4144	Architectural Practice (Elective 3) ⁽¹⁾	10	39	4
CON4521	Measurement of Building Works (Elective 4) ⁽¹⁾	10	39	4
	Sub-total:	26	104	
Total Curriculum Hours		346	1225	

Notes:

- (1) Select **2** modules out of 4 Electives.
- (2) Students are required to have no less than 91-hour equivalent Industrial Attachment.
- (3) Students can apply exemption for the modules of (i) Whole Personal Development, (ii) Practical Training and (iii) Industrial Attachment with evidences of **sufficient relevant work experience acquired after meeting HD Minimum Entrance Requirement** in order to achieve the specified intended learning outcomes. Students could accumulate required full-time work experience along their study and apply for exemption with sufficient work experience not less than a specified period before graduation.
 - (i) Whole Personal Development
 - SDD4001 Whole Person Development: Self-efficacy Enhancement
 - SDD4003 Whole Person Development: SMART in Action
 - SDD4002 Whole Person Development: Global Vision
 - SDD4004 Whole Person Development: Integrated Career Development
 - (ii) Practical Training
 - CON2190 Practical Training A
 - CON2191 Practical Training B
 - (iii) Industrial Attachment
 - CON4193 Industrial Attachment

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