

## Three Engineering Degree Programmes of SPEED Accredited by The Hong Kong Institution of Engineers

For students who aspire to be a professional engineer, Scheme "A" graduate training is considered to be the most well-recognised fast track to obtaining full professional status granted by The Hong Kong Institution of Engineers (HKIE). But the very first step is to enrol in an engineering degree programme accredited by the HKIE. For SPEED students, the good news is that all the three SPEED's engineering degree programmes, namely the BEng (Hons) in Electrical Engineering, BEng (Hons) in Mechanical Engineering, and BSc (Hons) in Building Engineering and Management, have recently obtained such accreditation from the HKIE.

### Graduates Eligible for Scheme "A" Training

Dr Jack Lo, Director of SPEED, said the HKIE accreditation has not only affirmed the quality of SPEED's articulation honours degree programmes, but also greatly facilitated its engineering graduates' career development as professional engineers.

"Graduates of the above three engineering degree programmes will be eligible to undergo Scheme 'A' graduate training in an engineering company approved by the HKIE – a fast track where it is possible for our graduates to become a professional engineer after graduation in a minimum of four years. The general experience track, on the other hand, takes a minimum of six years," explained Dr Lo.

Prof. C W Leung, Associate Dean (Research) of CPCE, supplements that the difference between these two routes is mainly time and recognition. "For the general experience track, there is a risk that the HKIE may not recognise graduate trainees' work experience, and, as a result, they would not be able to get the license."

Scheme "A" graduate training benefits both graduate trainees and employers. It gives graduate trainees a golden opportunity to follow a systematic graduate level in-company training programme designed for their chosen engineering discipline. At the same time, Scheme "A" approved companies can groom future supervisory and management staff for succession purposes.

Kwan Wai-cheong Jacky, a year-two full-time student of the BEng (Hons) in Electrical Engineering, was thrilled to learn the HKIE accreditation as he could take a much shorter track to becoming a professional engineer by undergoing Scheme "A" training. "Compared with Scheme 'A' training, the general experience route is much longer and difficult as graduate trainees have to fulfil more requirements such as obtaining recommendation from two HKIE members," said Jacky.

## SPEED 三項工程學學位課程通過香港工程師學會評審

有志成為專業工程師的同學，必須獲取香港工程師學會（HKIE）授予的正式專業地位，而參加 Scheme "A" 工程畢業生培訓計劃是廣受認可的快捷途徑。然而，第一步是要修讀經 HKIE 評審的工程學學位課程。對 SPEED 同學而言，喜訊是 SPEED 電機工程學（榮譽）工學士、機械工程學（榮譽）工學士及建築工程及管理學（榮譽）理學士三項工程學學位課程最近通過 HKIE 評審。

### 畢業生有資格參加 Scheme "A" 培訓

SPEED 院長羅文強博士表示，通過 HKIE 評審不僅肯定了學院的榮譽學士學位銜接課程的質素，亦對工程學畢業生日後成為專業工程師有莫大的幫助。

羅院長說：「上述三項工程學學位課程畢業生有資格於 HKIE 認可的工程公司接受 Scheme "A" 工程畢業生培訓計劃，這條『快捷途徑』讓畢業生於畢業後最少只需四年便可成為專業工程師。若循『一般經驗途徑』，需時最少六年。」

CPCE 副院長（研究）梁振華教授補充指，這兩條途徑最大分別在於時間及認可性。「HKIE 有可能不承認『一般經驗途徑』累積的工作經驗，導致見習工程師未能成功註冊。」

Scheme "A" 工程畢業生培訓計劃令見習工程師和僱主同時受惠。見習工程師可獲寶貴機會，在公司內接受所屬工程專業範疇的有系統培訓。同時，Scheme "A" 認可公司也可藉著有關計劃培訓監督及管理接班人。

對於課程獲 HKIE 認可，電機工程學（榮譽）工學士全日制二年級學生關偉昌（Jacky）感到十分興奮，因他可以參加 Scheme "A" 工程畢業生培訓計劃，以較為快捷的途徑成為專業工程師。Jacky 說：「與 Scheme "A" 培訓計劃比較，『一般經驗途徑』不但需時較長，亦較為困難，因為見習工程師需要達到更多要求，例如獲兩位 HKIE 會員推薦。」



A student of BEng (Hons) in Mechanical Engineering is building a prototype for his Final Year Capstone Project.  
機械工程學（榮譽）工學士學生正為畢業專題研究組裝原型。



Jacky is happy to see that the BEng (Hons) in Electrical Engineering programme is accredited by the HKIE, which enables him to take a faster track to becoming a professional engineer.

Jacky 喜見電機工程學（榮譽）工學士課程獲香港工程師學會認可，有助他更快成為專業工程師。



Students of BSc (Hons) in Building Engineering and Management visit a construction site.

建築工程及管理學（榮譽）理學士學生到建築地盤進行考察。

### Internship Training Facilitates Practical Application of Knowledge

SPEED arranged for Jacky to receive internship training from September to December last year at an engineering company, where he took part in the “Green Schools 2.0 - Energy Smart” project introduced by the HKSAR government to help primary and secondary schools to install inverter air-conditioners, LED lighting and real-time energy monitoring systems. “I conducted technical assessments for more than 20 schools and offered advice on installing energy saving equipment based on my knowledge acquired from electrical engineering subjects such as Control System Analysis,” shared Jacky.

While Jacky is keen to take the shorter track, he is in no hurry to achieve his goal. Instead, he has decided to pursue a master's degree in either building services engineering or mechanical engineering after graduating from SPEED in this September to build a stronger academic foundation first.

Over the years, SPEED has endeavoured to obtain professional recognition for its programmes. Currently, 20 full-time and part-time articulation honours degree programmes are accredited or recognised by professional bodies. For details, please visit: <https://polyu.hk/eeDGI>.



Two Routes to Becoming a Professional Engineer in a Targeted Discipline:  
成為指定範疇專業工程師的兩條途徑：

### 實習訓練達到學以致用

SPEED 安排 Jacky 於去年 9 至 12 月在一間工程公司實習，參與政府推行的「綠色校園 2.0—智能慳電」計劃，為中小學安裝變頻式冷氣機、發光二極管燈和實時能源監察系統。Jacky 分享道：「我曾到 20 多間學校進行技術評估，然後根據我修讀電機工程科目學到的知識，例如 Control System Analysis，在安裝節能設備方面給予他們建議。」

雖然 Jacky 有意選擇快捷途徑，但他卻不急於達成目標。他已決定今年 9 月於 SPEED 畢業後，修讀屋宇設備工程或機械工程碩士學位課程，先為自己奠定更堅實的學術基礎。

SPEED 多年來致力爭取其課程獲得專業認可。目前，20 項全日制及兼讀制榮譽學士學位銜接課程已獲專業團體認可，詳情瀏覽 <https://polyu.hk/DwuUe>。



Complete a SPEED engineering degree programme accredited by HKIE  
完成經香港工程師學會評審的 SPEED 工程學學位課程

#### 1 Fast Track 快捷途徑

Scheme "A" Training  
(2-year training)

Scheme "A" 培訓（2 年培訓）

+

2-year responsible experience

2 年擔任要職的經驗



Minimum of 4 years  
最少 4 年



#### 2 General Experience Track 一般經驗途徑

5-year general experience

5 年一般經驗

+

1-year responsible experience

1 年擔任要職的經驗



Minimum of 6 years  
最少 6 年



Professional Assessment  
專業評估



Professional Engineer & Member of HKIE  
專業工程師及香港工程師學會會員