



UTILITY TRAINING INSTITUTE

管綫學院 (UTI)

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**ONE-STOP
TRAINING
CENTER**

**UTILITY
TRAINING
INSTITUTE**

**PROVISION
OF HIGH QUALITY
PROFESSIONAL AND
SUPPORTIVE SERVICES
TO THE UTILITY
PROFESSION**



Background

UTI (International) Limited

trading as UTI (or Utility Training Institute) has a history of 20 years. It became a separate entity in 2002 in response to the need of the utility specialists industry for professionalization, standardization, promotion as well as public education. Its core values are therefore Professional Training, Event Management, Publications and Networking.

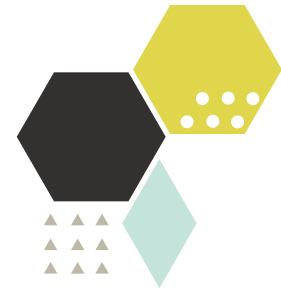


Quality Assurance ISO 9001:2015

Complying the requirements of ISO 9001:2015, UTI provide high quality training courses to practitioners and students.



ISO 9001 : 2015
Certificate No.: CC 6297



Training Venue

The site comprises of :

- An Internal Training Room for around 30 students;
- A library of relevant text books and reference books;
- A pre-designed and constructed training field of around 3,000 sq.ft with cables and pipes which can be energized for passive and active detection.



Milestone



YEAR 2000 - 2019

- 2000** First training camp
- 2001** First professional training
- 2002** Assisted the establishment of Hong Kong Institute of Utility Specialists (HKIUS)
- 2005 - 2007** Utility Protection and Work Safety in Road Excavation Creative Writing and Practical Competitions
- 2007** Launched its Secondary School subject, Utility Profession and Application by the approval of the Education Bureau
- 2009** Utility Safety & Management Competitions
- 2010** Launched Professional Diploma in Utility Survey and Management
- 2014** 1CALL Utility Safety & Practical Competition
- 2015** Provided training courses to overseas, including Malaysia
- 2019** Organized over 200 events and courses, with around 10,000 attendance, worked with almost 100 different professional organizations, government department, trade associations, etc.

UTI has been actively involved in providing training and advices to relevant training providers including the current Construction Industry Council Training Academy (CICT A), the Industrial Centre of the Hong Kong Polytechnic University (IC of PolyU) and Hawking Wong Campus of the Institute of Vocational Education.

When setting up the training field by the then CITA (Construction Industry Training Authority), key personnel of UTI has provided valuable advice to the staff of CITA including the use of equipment and the setup of the training field. Later on, IC of PolyU invited King Wong and Zico Kwok (Trainer of UTI) to help setting up the training materials and field for its training centre.



Professional Recognition

UTI is a Recognized Training Organization (RTO) of Hong Kong Institute of Utility Specialists (HKIUS) and International Institute of Utility Specialists (IIUS).

Trainees completed the Professional Certificate or higher level course could apply as Professional Member of IIUS, and/or Operative Member of HKIUS.



Below are the Training Courses approved by The Labour Department, HKSAR:



**Mandatory Basic
Safety Training
(Green Card)**

**Safety Training
of Competent
Persons of
Confined Spaces
Operation**

**Safety Training of
Certified
Workers of
Confined Spaces
Operation**



UTI Client

UTI has held numerous tailored made courses to Government Departments, large scale company and universities etc.

Course Disciplines

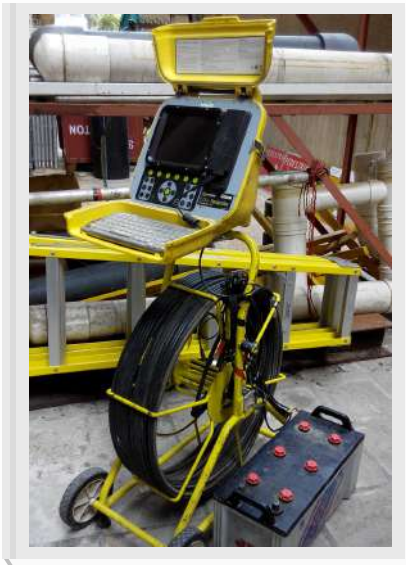
UTI categorize its courses in different disciplines, and the content is designed by experienced trainers depending on the certificate level, i.e.

- **Basic Certificate**
- **Foundation Certificate**
- **Professional Certificate**

Students who completed the designated certificates can attain a higher qualification level, i.e.

- **Diploma in Utility Survey & Management or**
- **Professional Diploma in Utility Survey & Management**

01



02

01

CONDUIT CONDITION EVALUATION (CCTV & ME) 管綫狀況評價 (排水)

- Role of Conduit Condition Evaluation Specialists
- Rules of sewer condition classification (based on SRM, MSCC and HKCCEC2009)
- Key features of various categories of pipe survey
- On site practice on operation and how to recognize and code from tape.
- Service and structural condition of drainage pipes
- Construction features of pipe sewers
- Introduction about Standard Coding System

02

MANHOLE INTERNAL CONDITION SURVEY 沙井狀況評價

- Classification of pipe conditions and the assessment of pipe performance for drains
- Recognizing and coding the structural defects, service conditions and construction features
- Typical examples of classifying pipe conditions from the photographs and videos
- Assessment of pipe performance including determining Internal Condition Grades, Service Condition Grades and Structural performance Grades
- Reporting the survey results with the use of software
- Quality assurance of checking the CCTV submissions with demonstration examples
- Exercise of checking the CCTV submissions

03

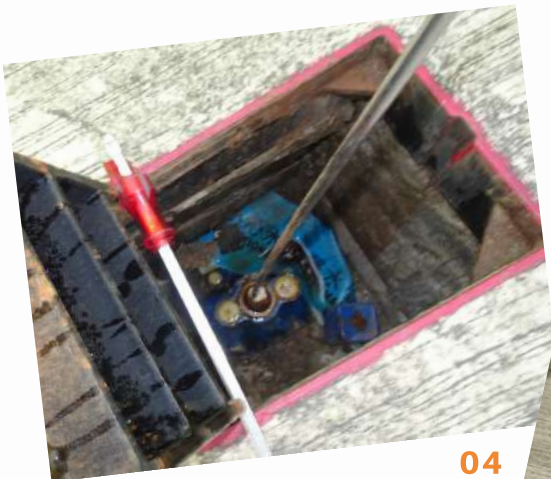
COMPREHENSIVE UTILITY SURVEY 管綫測量

- Ensure trained personnel who will be working in utility related works that the surveying results reach the required standards
- Share about regulations, standards, rules on utility survey
- Understanding of role of utility mapping specialist, rules of and methods for utility mapping
- Facts about underground utilities
- Prepare site raw data and report of utility mapping
- Evaluate the accuracy and usefulness of the survey results
- Prepare and check for results and reports before submission to clients

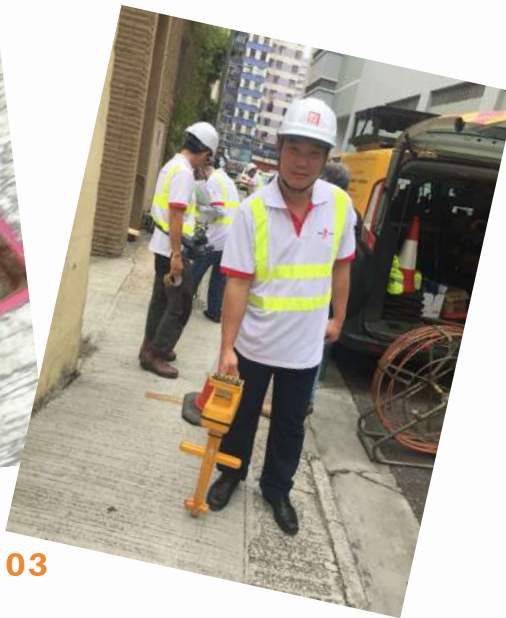
04

WATER LEAKAGE DETECTION AND CONTROL (WLD) 漏水監控

- Hong Kong 's situation in utility survey industry
- Introduction of utility systems in Hong Kong
- Role of WLD specialists
- Methods and equipment for WLD
- Safety at work for confined space environment
- How to conduct QA/QC check
- Operation of WLD tools and equipment including LNC, ELD/MLD/Noise logger, PCL and touch on GPR



04



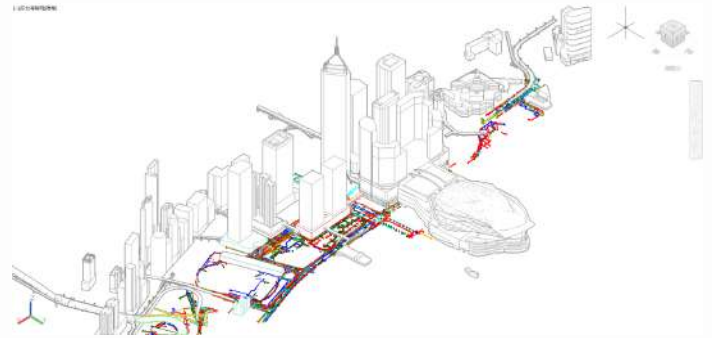
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05

OTHER DISCIPLINES 其他課程範疇

Other than the above mentioned, UTI organize courses covering the below disciplines:

- Data Management for Utility Records (DM)
- Building Information Modeling (BIM) for Underground Utility
- Advanced Leakage Detection of Buried Water Carrying Services Affecting Slopes
- Pipe Rehabilitation by Trenchless Technology
- GPR Survey
- Safety etc.



*Course of Building Information Modeling (BIM)
for Underground Utility*

***Tailored-made courses for corporate training can also be organized upon request by clients.**

More details about
Professional Training:



Certificate Course

LEVEL 1:

Basic Certificate Course

Course Duration : 1 day training/workshop

Curriculum Structure :

Theoretical lesson

Target Students/Entry Requirement :

- Anyone interests in utility survey
- Practitioners works in construction or engineering field
- Tertiary students who are planning to enter the utility industry

Qualification Framework : Level 1

Fee : HK\$2,000 for 1 day course

LEVEL 2:

Foundation Certificate Course

Course Duration : 2 days

Curriculum Structure :

Theoretical lesson with quiz

Target Students/Entry Requirement :

- F .5 /HKDSE graduate or above qualification
- Working in the utility related industry

Qualification Framework : Level 2

Fee : HK\$4,500

LEVEL 3:

Professional Certificate Course

Course Duration : 84 training hours

Curriculum Structure :

Lessons with Theory, Practical, Report & Exam

Target Students/Entry Requirement :

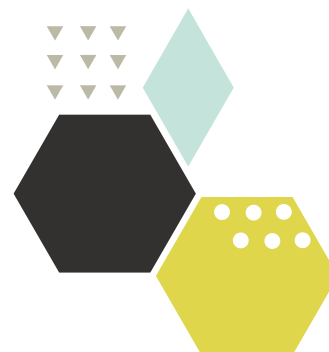
- F .5 /HKDSE graduate or above qualification
- With some experiences in the utility-related industry

Qualification Framework : Level 3

Fee : HK\$15,000

Diploma / Professional Diploma in Utility Survey & Management

Level 4 & 5



Course Objectives

The course aims to train the students to be engineers and surveyors/specialists in utility industry. The students will be coached of all safety measures at work, physical science, utility management skills and surveying techniques and equipment. The students could be qualified as full members of HKIUS/ IIUS, widely recognized professional institutions in the field. The course will also provide placements for students so that they could adapt to the working environment of the utility profession. Emphasis is also placed on the development of interpersonal skills and teamwork, which is an important component of the expertise.

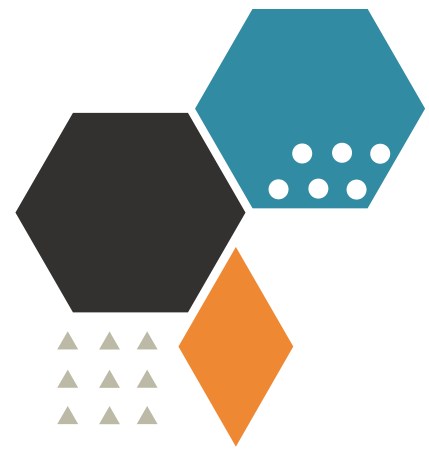
Target Students/Entry Requirement

- F.5/HKDSE graduate or above qualification
- Working in the utility related industry
- Aim for career promotion after completing the course

	Diploma	Professional Diploma
Course Duration	270 training hours	400 training hours
Curriculum Structure	<ul style="list-style-type: none"> • 4 Foundation Certificate • 2 Professional Certificate courses • Each certificate course contains theory, practical, report and exam 	<ul style="list-style-type: none"> • 4 Foundation Certificate • 4 Professional Certificate courses • Each certificate course contains theory, practical, report and exam
Qualification Framework	Level 4	Level 5
Fee	HK\$48,000	HK\$78,000

Remarks: Students who fail to complete the full course could be considered to obtain Attainment Certificates in specific discipline, subject to the decision of Academic Board Members.

Course For Overseas Practitioners



The Sabah Surveyors Board and Land Surveyors Board, Sarawak, Malaysia

have respectively sent 3 batches and 2 batches of surveyors, professional and licensed members from the private sector and government officers for training. Concerning their capabilities, Professional Certificate of Comprehensive Utility Survey (CUS) is offered to enhance their professional knowledge, to train them to be utility specialists.



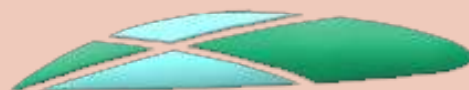
**LEMBAGA
JURUKUR
SABAH**

Sabah Surveyors Board

The Board is a Malaysian professional association with the aims to regulate and control the registration and licensing of land surveyors and matters connected therewith.

Land Surveyors Board, Sarawak

A body corporate established on the 1st January 2004 under the Land Surveyors Ordinance, 2001 which came into force on 1st September 2003, and responsible to regulate and license persons undertaking cadastral land surveys and matters incidental thereto in Sarawak.

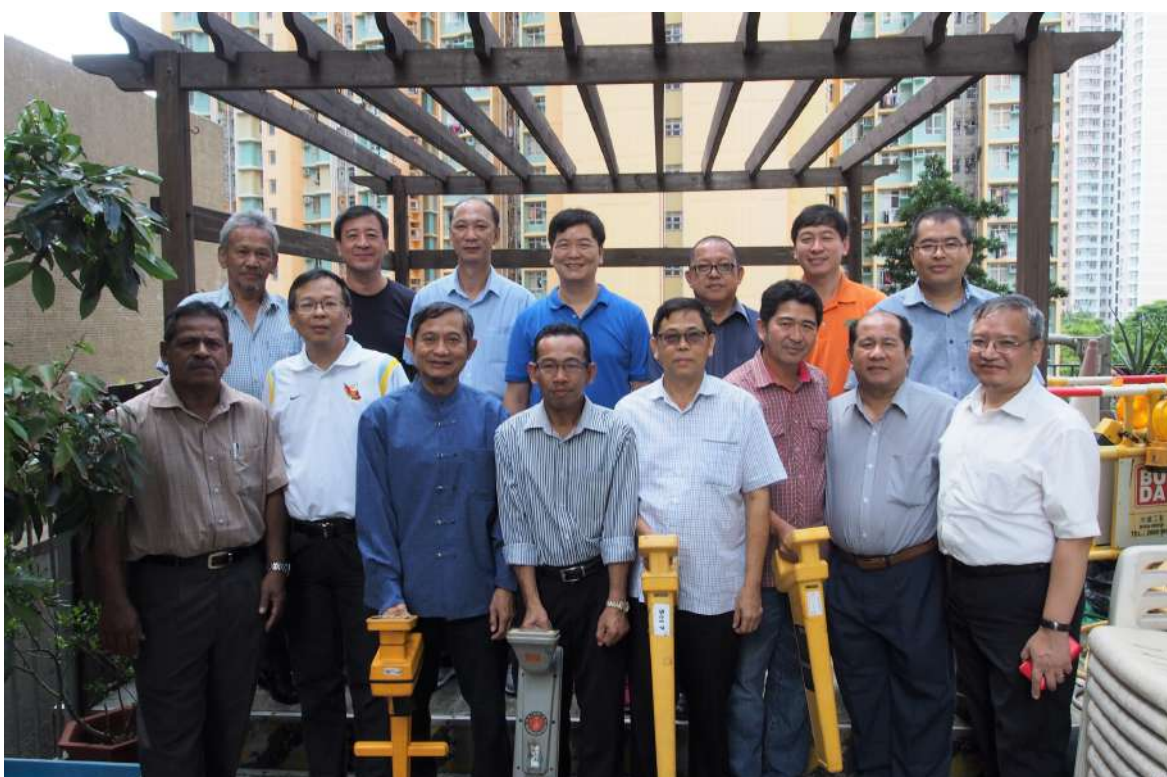


LAND SURVEYORS BOARD SARAWAK

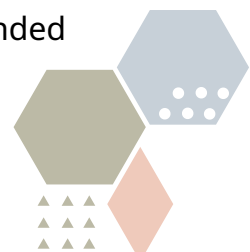
Highlighted Course Photos



Sabah State Secretary 州秘書 (in the middle) was taking the Professional Certificate course and felt satisfied about the course planning.



Sabah Survey Director General 局長 (the second from the left) was also attended the Professional Certificate course to enhance his knowledge.



Tailored-made Course for The Sabah Surveyors Board and Land Surveyors Board, Sarawak





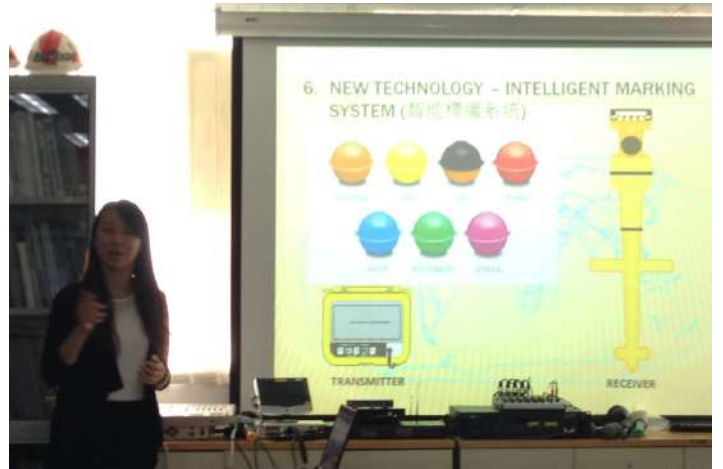
Introduction on Water Leakage Detection



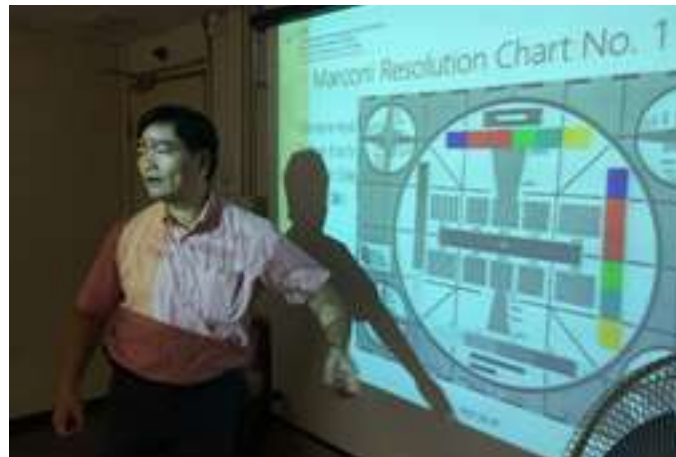
Foundation Cert. of Flow Study Using Non-Contact Radar



Foundation Cert. of Manhole Internal Condition Survey



Found. Cert. of US Results Accuracy Evaluation & Usefulness



Foundation Cert. - Conduit Condition Evaluation for DSD



Tailored-made Course for Highways Department

Training of classification of pipe conditions and assessment of pipe performance



Tailored-made Course for BUDA Surveying Ltd.

- Project Management Training Workshop
- Culture and Team Spirit Training Workshop
- Basic Instruction Technique for Engineering and Utility Specialists

FEEDBACK FROM THE STUDENTS

Group Discount

- **10% discount** for a group of 4 or above.
- **Special discount** for corporate training courses, please contact us for discussion.

Mr. KWOK Kai-him

(Professional Certificate on Conduit Condition Evaluation (CCTV Survey & MHICS))

After the CCTV training course, I have better knowledge about safety in Manhole survey and CCTV survey. The trainer explained clearly about the uses of survey reports and forms.

Mr. HUI Hei-lung

(Diploma in Utility Survey and Management)

The trainer taught well and was very patient. There was sufficient time for site-training and CCTV video coding training.

Mr. SIU Chi-ming

(Professional Diploma in Utility Survey and Management)

It's helpful to my career promotion. It also improved my quality of work after completing the course. I am now very confident to carry out my projects.

Datuk Haji Untong Bin Safar

Vice President (Sabah) of International Institute of Utility Specialist (Professional Certificate on Comprehensive Utility Survey)

The trainer conducted a very logical presentation, demonstrated the course objectives and requirements clearly, answered questions precisely and was well-prepared for the course.

Course Schedule

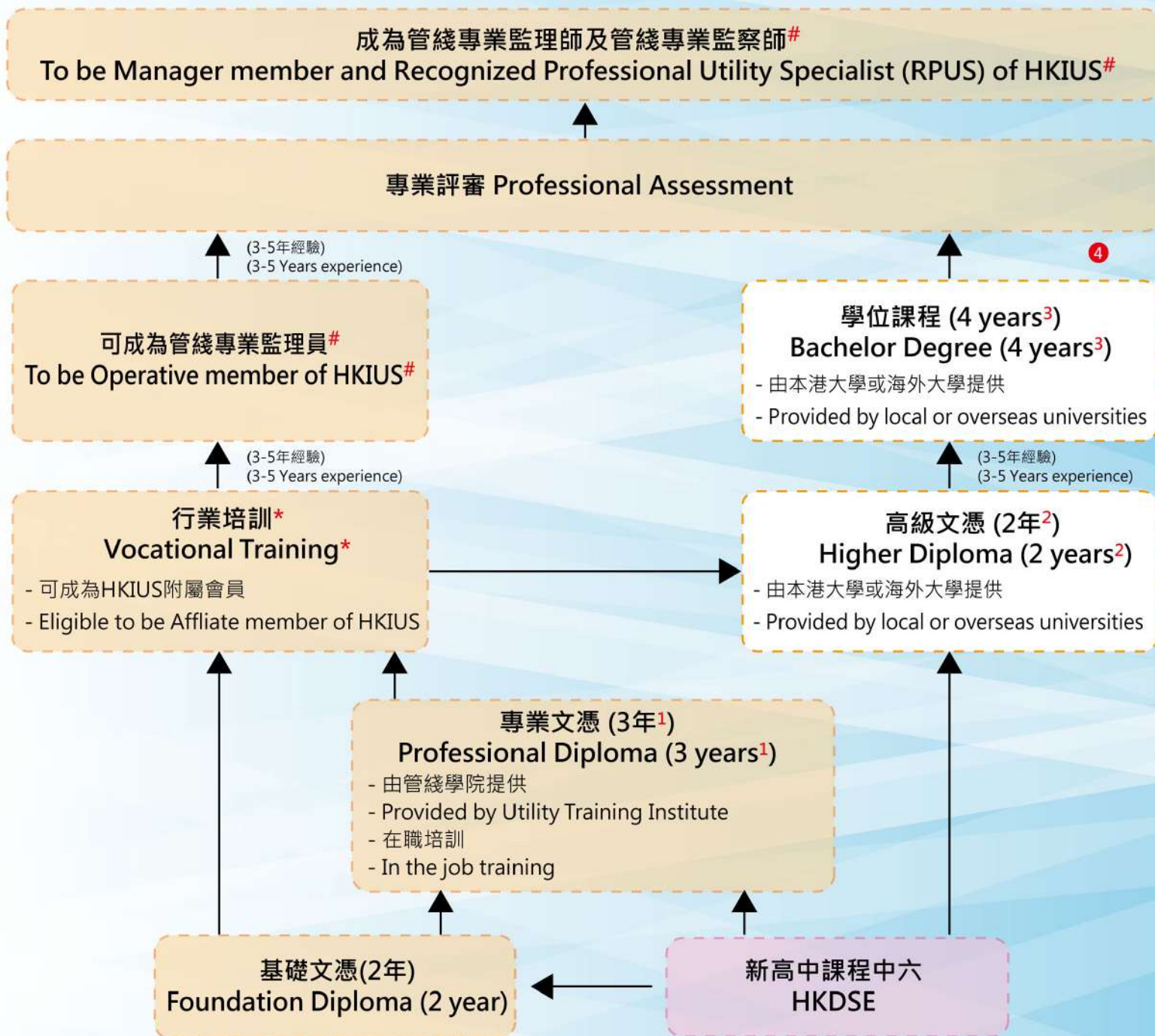


Application



管綫專業發展路徑

Promotion Path for Utility Professions



* 管綫學院將為學員安排培訓 Utility Training Institute (UTI) will arrange the placements for students

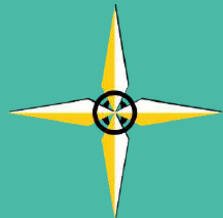
備註 Remarks 1) OMHKIUS – 管綫專業監理員 The frontline leaders of utility profession
2) MHKIUS – 管綫專業監理師 The professionals and managers of utility industry
3) RPUS - 管綫專業監察師 Recognized Professional Utility Specialist
有關成為學會會員資格可瀏覽 www.hkius.org.hk

1 完成基礎文憑後，再完成專業文憑只需一年
After the completion of the Foundation Diploma, it just takes one year to complete the Professional Diploma

2 若學員已持有專業文憑，可申請學分轉移，就讀高級文憑課程第二學年
Students who possess Professional Diploma could apply for credit transfer and enter Year 2 of Higher Diploma

3 若學員已持有高級文憑，可申請學分轉移，就讀學位課程第二學年
Students who possess Higher Diploma could apply for credit transfer and enter Year 2 of Bachelor Degree

4 完成基礎文憑 --> 專業文憑 --> 高級文憑 --> 學位課程只需7年
It just takes 7 years to complete Foundation Diploma --> Professional Diploma --> Higher Diploma --> Bachelor Degree



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