



香港
建造
學院 HONG KONG
INSTITUTE
OF
CONSTRUCTION



CERTIFICATES IN ROBOT APPLICATION

SHEUNG SHUI CAMPUS
ROBOTIC TRAINING CENTRE



Courses offer

**Tuition Fee Reimbursement
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Hong Kong Institute of Construction (HKIC) is a member organisation of the Construction Industry Council (CIC)
香港建造學院為建造業議會機構成員

Certificate in S960 High-Strength Steel Welding Robot Operation

Programme Code: FRSW

Duration: 8 days (56 hours)

Tuition Fee: \$4,800

Programme Highlights

This programme aims to equip students with the core competencies required for robotic welding of S960 high-strength steel. Through an integrated approach combining theory and hands-on practice, students will learn to independently plan and execute robotic welding operations for S960 high-strength steel. The training covers start-up inspections and path planning, as well as the integration and analysis of welding parameters. Students will be able to accurately interpret how welding parameters affect structural strength, identify abnormal conditions and respond promptly, and ensure that all operations comply with safety standards.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong



More Details



Certificate in Robotic Welding Application

Programme Code: FRWA

Duration: 5 days (35 hours)

Tuition Fee: \$1,000

Programme Highlights

This programme aims to enable students to gain an understanding of the practical operation of welding robots and to develop the ability to apply robotic welding technology effectively. The training ensures that students can plan and design work schemes for carrying out a series of welding tasks using welding robots. At the same time, students will learn to adjust their planned work plans in response to on-site changes, so that projects can meet the required project specifications and designated standards.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong
- Hold a semi-skilled qualification in general welding and possess at least two years of welding experience after obtaining the qualification (calculated from the date of certification)

*This programme is recognised under the Qualifications Framework (QF Level 2).



More Details



Certificate in Robotic Painting Application

Programme Code: FRPA

Duration: 7 days (49 hours)

Tuition Fee: \$1,000

Programme Highlights

This programme aims to equip students with the skills required for operating painting robots, setting coating parameters, and adhering to safety regulations. The training ensures that students can demonstrate and apply broad knowledge and specialised skills in painting robot operation, covering painting techniques, use of materials, and dynamic risk assessment. Students will be able to independently complete various types of painting works in different working environments.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong
- Hold a semi-skilled qualification in painting and decorating, with at least two years of painting work experience after obtaining the qualification (calculated from the date of certification)
- Must pass a colour vision test



More Details



Certificate in Robotic Surveying & Setting Out Application

Programme Code: FRSS

Duration: 2 days (14 hours)

Tuition Fee: \$1,000

Programme Highlights

This programme aims to equip students with the core operational skills for survey and setting-out robots, including data processing and application methods, as well as precise control of surveying and setting-out tasks in compliance with relevant safety regulations. Through systematic training, students will develop the ability to effectively plan work processes and proficiently apply robotic technology to carry out accurate surveying and setting-out work across various construction scenarios.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong
- Basic knowledge of computer-aided drafting (CAD)



More Details



*This programme is recognised under the Qualifications Framework (QF Level 2).

Certificate of Safety Training of Remote-Operated Tower Crane

Programme Code: ROTC

Duration: 3 hours

Tuition Fee: \$450

Programme Highlights

This programme equips students with relevant professional knowledge in the field, helping them establish the right attitude and passion for working in the construction industry. In response to the nature of the "Certificate of Safety Training of Remote-Operated Tower Crane" course, instructors will employ suitable teaching methods, primarily through classroom lectures, case studies, and practical examples to help students grasp the relevant knowledge.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong
- Valid Certificate holder of Tower Crane Operator Training
- Employer's recommendation (please provide employment reference letter)



More Details



Certificate in Demolition of Building for Robot Operators

NEW!

Programme Code: FRDB

Duration: 4 days (28 hours)

Tuition Fee: \$2,400

Programme Highlights

This programme aims to develop students' skills in the proper operation of demolition robots, enabling them to carry out routine tasks safely in controlled and regulated environments. It also equip students with fundamental knowledge of building demolition works, including common construction methods, work sequences, and relevant legislation. In addition, the programme strengthens students' safety awareness by emphasising the importance of protective measures, risk assessment, and safety management, ensuring that all demolition robot operations are conducted in compliance with established standards and completed efficiently and safely.

Admission Requirements

- Applicants must be aged 18 or above
- Hong Kong residents who are lawfully employable in Hong Kong
- At least 2 years of relevant experience in the construction industry



More Details



*This programme is recognised under the Qualifications Framework (QF Level 2).

Certificate in Plastering for Robot Operators

COMING SOON!

Programme Highlights

This programme aims to equip students with operational skills for plastering robots, including parameter settings, routine maintenance, and quality inspection and acceptance standards. It enables students to flexibly apply plastering techniques across different materials and construction environments, ensure compliance with industry procedures and practices, and independently plan work processes according to actual site conditions. Students will also be able to safely operate plastering machinery to complete various construction tasks.

Further details will be announced in due course. Please stay tuned to the Hong Kong Institute of Construction website at www.hkic.edu.hk for updates.



More Details



Certificate in Drilling for Robot Operators

COMING SOON!

Programme Highlights

This programme equips students with the essential skills to operate drilling robots safely and efficiently in construction environments. Training covers robot setup, software operation, drilling parameter configuration, site assessment, work planning, and quality inspection. Students will learn to perform ceiling and wall drilling tasks, conduct routine maintenance, troubleshoot common faults, and apply safety and risk control measures. Through hands-on practice, participants will gain practical experience in the complete robotic drilling process while complying with industry standards and safety requirements.

Further details will be announced in due course. Please stay tuned to the Hong Kong Institute of Construction website at www.hkic.edu.hk for updates.



More Details



Certificate in Small Unmanned Aircraft (Advanced Rating)

COMING SOON!

Programme Highlights

This programme equips students with the essential knowledge and practical skills for the safe operation of small unmanned aircraft (SUA). Training covers operational safety management, proper use of personal protective equipment (PPE), pre-flight site inspections, emergency response procedures, and routine equipment maintenance. Students will learn to identify workplace hazards, implement risk control measures, conduct safety checks, and respond effectively to abnormal situations under instructor supervision.

Further details will be announced in due course. Please stay tuned to the Hong Kong Institute of Construction website at www.hkic.edu.hk for updates.



More Details



CONTACT US



2100 9000



training@hkic.edu.hk



www.hkic.edu.hk

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