



**Master of Science in Diagnostic
Ultrasonography (MSCDU)/
診斷超聲學理學碩士***

**Postgraduate Diploma in Diagnostic
Ultrasonography (PGDDU)*
診斷超聲學深造文憑***

*The programme is subject to senate's approval.

2026-2027



香港都會大學
護理及健康學院
Hong Kong Metropolitan University
School of Nursing and Health Sciences



Programme Introduction

The part-time Master of Science/Postgraduate Diploma in Diagnostic Ultrasonography combines distance learning with scheduled on-campus activities. It develops competent skills in abdominal and vascular imaging, alongside foundational knowledge in musculoskeletal, small parts, antenatal, and postnatal imaging. The program includes hands-on scanning of real subjects, AI-powered simulation, and a clinical practicum. As the only structured master’s program of its kind in Hong Kong, it addresses the growing demand for ultrasound expertise, offering a unique pathway for career advancement in medical imaging.

Course Information

Porgramme Code	MSCDU	PGDDU
Duration of Study	2 years	16 months
Courses	9	7
Credit-units	30	18
Programme Mode	Part-time Distance Learning (Blended mode)^	
Medium of Instruction	English and Chinese	
Tuition Fee	Subject to the latest announcement by the University	

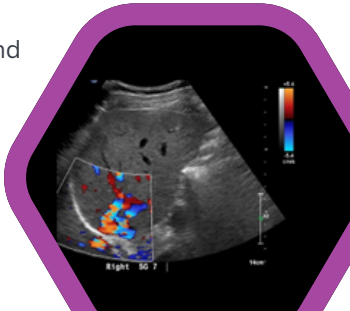
Each student is loaned a hand-held ultrasound device for personal practice & coursework and must return it after graduation.

^Teaching is primarily online, with Research Methodology delivered face-to-face. Students are scheduled to attend on-campus activities, including tutorials, seminars, and practical sessions, and to complete clinical practicums in hospitals or clinics (for MSCDU only) to ensure meeting the required progression.

Programme Aims

Upon completion of the programme, students will be able to:

- Master ultrasound principles, instrumentation, and imaging techniques across diverse applications.
- Optimize scanning protocols to differentiate normal and pathological findings with precision.
- Deliver ethical, patient-centered care while collaborating within multidisciplinary healthcare teams.
- Apply emerging technologies to advance diagnostic ultrasonography practices.



Programme Features



Admission Requirements

















- Registered medical or healthcare professionals.
- Hold a relevant degree or qualification (e.g., Bachelor's in related science or health sciences, radiology and medical imaging, or equivalent; Postgraduate Diploma in Radiography).
- Meet HKMU's English proficiency requirements if prior education was not in English.
- Applicants must comply with Hong Kong's Allied Health Professions Ordinance (Cap. 359) to take the clinical practicum.
- Clinical practicum is usually completed at the applicants' workplaces, with facilities and supervisor support available. Otherwise, alternative training is arranged in Hong Kong or on the mainland. Priority will be given to applicants who have access to ultrasound practice in their workplace.
- Preference is given to those with diagnostic imaging experience or relevant qualifications and recommendation letters from employers or academic mentors.
- Qualified applicants undergo an admissions interview.



Programme Structure



-  Master of Science in Diagnostic Ultrasonography
-  Postgraduate Diploma in Diagnostic Ultrasonography

-   Research Methodology [3 cru]
-   Ultrasound Physics [1 cru]
-   Contemporary and Small Parts Ultrasound [2 cru]
-   Abdominal Ultrasonography [6 cru]
-   Vascular Ultrasonography [3 cru]
-   Musculoskeletal Ultrasonography [2 cru]
-   Antenatal and Postnatal Ultrasonography [1 cru]
-  Capstone Project [6 cru]
-  Clinical Practicum [6 cru]



Postgraduate
Diploma in
Diagnostic
Ultrasonography
[18 cru]



Master of Science
in Diagnostic
Ultrasonography
[30 cru]

Remarks: cru refers to credit-unit(s).

Career Prospect & Professional Recognition



Master programme graduates gain advanced expertise, critical thinking, and research skills, preparing them for leadership roles in diagnostic imaging and pursuing rewarding careers globally in hospitals, clinics, and diagnostic centers, with enhanced employability.

The Postgraduate Diploma enhances scanning skills and technical proficiency; however, under local regulations, non-radiographers or non-medical doctors cannot automatically practice sonography.



Both programmes foster career growth, academic advancement, and innovation, supporting ARDMS exam eligibility (with additional clinical hours) and offering pathways to doctoral studies, including HKMU's Doctor of Clinical Science or other relevant degrees globally.

Enquiry

Registry (Admission)

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Programme Leader

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Programme
Website



Online
Application

