



MASTER OF SCIENCE IN
**INFECTIOUS DISEASE
EMERGENCIES**

Become a Leader in Health Crisis Preparedness and Response

WELCOME TO THE MASTER OF SCIENCE IN INFECTIOUS DISEASE EMERGENCIES

The world will continue to face new infectious disease threats. This programme is designed to prepare the next generation of leaders and responders to meet those challenges. Beyond technical training, it offers the perspectives and hard-won insights of faculty who have worked on the frontlines and led responses to Ebola, H1N1, COVID-19, and other health emergencies. These are lessons shaped by real crises.

Developed by the Centre for Infectious Disease Emergency Response (CIDER), it is the first and only programme of its kind in the world. It responds to an urgent call for stronger systems, leadership, and coordination in the face of global health challenges.

It is tailored for early to mid-career professionals working at global, national, subnational, or institutional levels, as well as specialists in areas such as surveillance, operations, clinical care, and policy. You join a diverse community of learners committed to strengthening outbreak preparedness and response across sectors.

Learning here is immersive and practice-oriented. Expect to be challenged to think critically, test ideas in real-world scenarios, and draw on experiences of faculty who have seen what could succeed, and what could fail in high stakes emergencies.

We look forward to welcoming you into this committed learning community and supporting your journey in strengthening the future of global health.

Professor Dale Fisher

Director, NUS Centre for Infectious Disease Emergency Response

Professor,
NUS Yong Loo Lin School of Medicine



PROGRAMME AT A GLANCE

The Master of Science in Infectious Disease Emergencies (MSc IDE) at the NUS Yong Loo Lin School of Medicine is a coursework-based programme that builds advanced skills in outbreak preparedness and response.

Designed with both academic rigour and real-world relevance, the courses cover crisis leadership, across all pillars of outbreak response and other operational demands of emergency management.

You will learn from global case studies and the insights of experts with frontline field experience, gaining practical perspectives on how health systems operate in times of crisis.

Upon graduation, you will be prepared to take on leadership roles in public health institutions, government agencies, and emergency response teams, ready to navigate complex emergencies with confidence and clarity.



Learn from Leaders with Real-World Experience

Gain insight from regional and global experts who have led national outbreak responses, bringing operational depth and academic rigour into the classroom.



Flexible, Modular Format for Working Professionals

Hybrid delivery combines intensive in-person sessions with online modules, enabling continued work while building skills in a structured, supportive format.



A Connected Community of Practice

Join a diverse, multi-sectoral peer group and connect with experienced mentors, building relationships that support collaboration long after the programme ends.



Practical, Peer-Based Learning Environment

Build skills through real-world simulations, group work, and case-based discussions, designed around adult learning principles and cross-sector collaboration.



Internationally Recognised Master's Degree

Receive a world-class education at Asia's leading medical school, and gain an exceptional opportunity to pursue advanced medical education.

STUDY MODE

Full-time 1 year

Part-time 2 years

TUITION FEES

For AY2026/2027:

S\$64,310 (incl. GST)



PROGRAMME STRUCTURE

Core Courses	Elective Courses
Complete 3 core courses IDE5001 Leadership and Coordination IDE5002 Surveillance and Epidemiology IDE5003 Communications and Engagement in a Crisis	Choose 7 out of 8 offered elective courses IDE5004 Clinical Management, Infection Prevention and Control (IPC), and Facility Infrastructure IDE5005 Interventions for Outbreak Control IDE5006 Research in a Pandemic IDE5007 Mental Health and Support for the Vulnerable IDE5008 Laboratory IDE5009 Training for Outbreak Response IDE5010 Outbreak Prone Pathogens IDE5011 Infectious Disease Emergency Response Modelling
12 units in total	28 units in total
Total: 40 Units To Graduate	

Explore the programme curriculum, study plan, and other details on our programme webpage.

CORE COURSES

IDE5001

Leadership and Coordination

- ▶ Understand and apply leadership styles in emergency contexts
- ▶ Coordinate across health and non-health sectors in real-time
- ▶ Build confidence through guidance from experienced leaders

IDE5002

Surveillance and Epidemiology

- ▶ Analyse outbreak dynamics using the epidemiologic triad
- ▶ Apply field methods and interpret surveillance data
- ▶ Design surveillance systems with a One Health approach

IDE5003

Communications and Engagement in a Crisis

- ▶ Develop and deliver crisis and risk communication strategies
- ▶ Engage stakeholders including media, communities, and partners
- ▶ Strengthen skills in RCCE and information management

For the full breakdown of core and elective courses, visit our programme webpage.

CAREER POSSIBILITIES



As a graduate of the MSc IDE, you will be prepared to strengthen capacities for outbreak preparedness and response at global, regional, national, and institutional levels. With the skills and perspectives gained, you will be able to inform policy, guide operations, and improve the resilience of health systems across key domains, including health communications, emergency operations, laboratory and medical sciences, and programme management.

Your career may take you into roles such as an outbreak responder or incident manager with United Nations (UN) agencies and non-governmental organisations (NGOs), leadership in ministries of health and national public health institutes, or as a specialist in epidemiology, surveillance, risk communication, and biosecurity. You may also choose to apply your expertise within health systems, bridging science, operations, and policy to enhance resilience.

TRUSTED VOICES

"This master's programme has been a valuable opportunity. The brilliant faculty and their inspiring real-world experiences along with my diverse group of course mates makes every session insightful. The effort put into designing the interactive classes brings learning to life which truly makes this programme special."

- Shivani Sriram, India, Class of AY25/26

"The MSc IDE programme has been an incredible journey. It blended health professional insight, academic rigor, and global collaboration. Learning alongside future leaders has sharpened my skills to respond to outbreaks with confidence. As a Peace Corps Volunteer, this experience reinforces my commitment to serve communities and strengthen global health resilience."

- Shanya Kyana Mcwhinney, USA, Class of AY25/26



WHO SHOULD APPLY?

The programme welcomes local and international applicants with a strong interest in outbreak preparedness and response. It is ideal for:

Healthcare professionals

Doctors, nurses, and public health practitioners

Response practitioners

First responders, operations coordinators, and emergency coordinators

Scientific specialists

Epidemiologists, laboratory experts, and researchers

Policy and leadership roles

in infectious disease planning and coordination

Learner diversity is a defining strength of the programme, reflecting the breadth of expertise required to tackle infectious disease emergencies.



KEY ADMISSION REQUIREMENTS

Academic and Professional Background

Bachelor's degree in medicine, public health, health sciences, or a related field

Medical graduates should have at least one year of clinical or public health experience (excluding housemanship)

Non-medical applicants should have a minimum of two years of relevant work experience

Other qualifications with relevant industry experience may be considered on a case-by-case basis

Language Proficiency

International applicants whose undergraduate education was not conducted in English must demonstrate proficiency with a minimum TOEFL score of 85 (Internet-based) or an IELTS Academic score of 6.0

Please note that admission is competitive, and meeting the minimum criteria does not guarantee entry into the programme.

REQUIRED DOCUMENTS FOR APPLICATION

- Statement of Intent showcasing academic strength, research interests, motivation to study, and long-term development goals
- Curriculum Vitae (CV) providing an overview of relevant experience, skills and qualifications, and accomplishments
- Degree Certificate and University Transcripts
- TOEFL / IELTS Scoresheet (if applicable)
- Financial Support Documents

Visit our programme webpage for the full list of supporting documents required for your application.

UPCOMING INTAKE

July / August 2026

APPLICATION PERIOD

1 November 2025 - 31 May 2026

Applications will be considered as they are received and may close early if the class is filled

FEE REBATES AND FUNDING

- Singaporeans and Singapore PRs: 40% tuition fee rebate
- NUS Alumni: 20% tuition fee rebate
- Tuition fees may be offset using SkillsFuture Credit

For the most up-to-date information on tuition fees, payment schedule, and available grants or funding support, please visit our programme webpage.

CENTRE FOR INFECTIOUS DISEASE EMERGENCY RESPONSE

The Centre for Infectious Disease Emergency Response (CIDER) at NUS Yong Loo Lin School of Medicine was officially launched in February 2025 to enhance pandemic preparedness through targeted education, capacity building, and regional engagement. CIDER works closely with hospitals, public health agencies, and international collaborators to shape training that is relevant and impactful. Anchoring the MSc IDE, it draws on a new comprehensive textbook "Infectious Disease Emergencies: Preparedness and Response" compiled by global experts to underpin scenario-based learning and practical response frameworks. Students benefit from this combination of academic rigour, practitioner insight, and exposure to strategic outbreak response networks.

Learn more about CIDER at <https://medicine.nus.edu.sg/cider>
For updates and news, follow @nus-cider on 



Centre for Infectious Disease
Emergency Response
Yong Loo Lin School of Medicine

THE NUS MEDICINE ADVANTAGE



QS Medicine (Asia)



THE (World)



QS Medicine (World)

At the National University of Singapore (NUS), students receive a world-class education at one of the top global universities. The Yong Loo Lin School of Medicine is Asia's leading medical school, offering an exceptional opportunity to pursue advanced medical education.

Known for producing healthcare professionals who are innovators and leaders, its global reputation, paired with its focus on fostering critical thinking and innovation, makes its graduates highly sought after in both research and clinical settings. A master's degree from NUS Medicine is an investment in a future of leadership, expertise, and meaningful impact in the healthcare industry.

Statistics Source: Times Higher Education (THE) World University Rankings and Quacquarelli Symonds (QS) World University Rankings 2025



**SCAN QR TO START
YOUR APPLICATION**



**Master of Science in Infectious
Disease Emergencies (MSc IDE)**

For general enquiries, please email dgsmarketing@nus.edu.sg

For programme-specific enquiries, please contact cider@nus.edu.sg



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