

| TEACHING & LEARNING

Developing Emerging Leaders in Smart Medicine and Health Informatics

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The Master's Program in Smart Medicine and Health Informatics (Smart MHI) was launched by the International College of NTU in 2021. Smart MHI is the third English-instructed interdisciplinary program at NTU. Drawing on NTU's resources and faculty in Information Communication Technologies (ICT) and healthcare, Taiwan's two major industrial advantages, Smart MHI is aimed to cultivate outstanding talents proficient in core technologies of smart medicine.

The 24-credit program is designed to train students in three focal areas—"Personalized and Smart Medicine," "Artificial Intelligence and Machine Learning," and "Biomedical Signals and Processing"—to offer them robust training in smart medicine theories and hands-on practice. The program faculty includes leading experts from various fields who introduce students to quantitative analysis training, foundational physiological knowledge, and problem-solving skills that will empower them to tackle the world's present medical problems and needs.

The program welcomes students from all academic backgrounds and is open to international and domestic students alike, with the goals of helping Taiwan cultivate more professional and interdisciplinary talents and elevating the international academic and industrial status of NTU in artificial intelligence and health informatics. To support the students' future career development, the program collaborates with industries from home and abroad to provide students with meaningful internship programs. During summer and winter internships, students can apply the theories they had learned in class, build connections, and gain a better understanding of the business and industry. These opportunities can help students integrate knowledge and practice and prepare them for their future careers. Students who graduate from the program will be equipped with sufficient knowledge and experience to become leaders in the field of smart medicine and make great strides in artificial intelligence technology and health informatics.

Smart MHI's first class of students enrolled last September. To help students explore the campus and understand course regulations, NTU hosted two online orientations before the semester and an onsite welcome party at the start of the semester. All students interested in navigating smart medicine are welcome to join the program.



The online session for the Master's Program in Smart Medicine and Health Informatics.



Faculty and students holding a discussion.



Click or Scan the QR code to visit Smart MHI's website and learn more about the program.

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