

Faculties & Departments

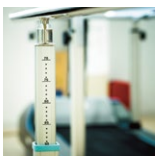
■ Faculty of Health Sciences



Department of Nursing

Fostering the development of professionals capable of creating and providing nursing techniques that capitalize on the advantages of medical-engineering collaboration

The Department of Nursing offers curricula that prepare student nurses for national licensing examinations, encouraging them to systematically develop their medical knowledge and skills to support people in need of nursing care while learning the fundamentals of nursing science. HUS' many engineering departments and its promotion of medical-engineering collaboration help students to obtain practical knowledge in engineering and information technology, including the development of ICT skills. The department seeks to produce nurses who are able to think and act independently as well as to collaborate with others as indispensable skills for a team-centric approach to medical treatment based on wide-ranging skills developed to deal with the rapidly growing advanced medical technology.



Department of Physical Therapy

Fostering the development of physical therapists capable of creating new rehabilitation standards

The Department of Physical Therapy offers curricula to prepare students for the physical therapist (PT) national licensing examination. PTs are health care professionals who help to promote mobility and restore motor function impairment due to disability, injury or other factors. Their work enhances functional activity in daily life through physical methods such as therapeutic exercises and physical therapy as well as guidance on the improvement of living environments. The department is aimed to develop physical therapists with advanced skills and broad perspectives who are capable of playing active roles in clinical practice. This is made possible by the extensive clinical experience of the department's faculty members, team-based medical education in collaboration with the Faculty of Health Sciences, and the utilization of advanced technologies developed by the Faculty of Engineering.



Department of Prosthetics and Orthotics

Fostering the development of prosthetists and orthotists with expertise in medicine, engineering and welfare to support the lives of users

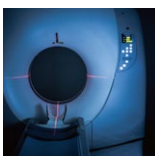
The Department of Prosthetics and Orthotics started out in 2006 as Japan's first university training course for Prosthetists and Orthotists, later becoming a department in 2012. It offers curricula to prepare students for the prosthetist and orthotist (PO) national licensing examinations and provides an ideal learning environment with some of the nation's most advanced facilities, including a 3D motion analysis system, helping students to develop fundamental knowledge and practical skills in a step-by-step manner. Students can also take courses offered in collaboration with the Department of Physical Therapy, which is closely related to the work of prosthetists and orthotists, and other departments. Much attention is also given to knowledge of electrical engineering and electronic engineering as required for the development of sophisticated prostheses and orthotics. The department aims to develop prosthetists and orthotists capable of contributing to team-based medical practice with multiple perspectives in the fields of medicine, engineering and welfare.



Department of Clinical Engineering

Preparing students for careers as clinical engineers handling cutting-edge equipment through a wide range of course subjects in medicine and engineering

The Department of Clinical Engineering seeks to develop technical experts and researchers capable of contributing to society. These efforts involve medical-engineering collaborative education programs based on extensive technological assets and engineering knowledge acquired by HUS over a long period, and help students acquire a clinical engineer (CE) qualification. The department offers curricula designed to teach students not only about medical practice but also about engineering with an eye to R&D in the field of advanced medical equipment. Students are encouraged to develop problem-solving abilities as they conduct graduation research under the guidance of faculty members engaging in cutting-edge research programs and to learn about the growing health care industry through their research activities.



Department of Radiological Technology

Fostering the development of individuals with knowledge in medicine, science and engineering who can contribute to community-based medical care

The Department of Radiological Technology is Hokkaido's first private university body to take on the mission of preparing students for the radiologic technologist national licensing examination.

Radiologic technologists are members of medical teams tasked with radiotherapy and imaging tests, such as X-rays/CT examinations, and there is an increasing demand for radiologic technologists with high-level skills due to the ongoing advancement of medical equipment and treatment methods. The department offers an early clinical exposure program from the first year to help students smoothly transforming into full-fledged medical professions. It also collaborates with other departments to provide practical education on team medical care and helps students develop management skills to produce advanced radiologic technologists.