Hirosaki University
School of Health Sciences
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1. Objectives and Mission of the School of Health Sciences

Recently, medical knowledge and practical techniques which medical staff must obtain have become advanced as well as sophisticated, and has consequently expanded quite a bit. Also, the specialization of medical practice is not only making relationships between medical staff and patients fragmentary, but also causing communication problems even within medical staff.

On the other hand, persistent diseases and chronic diseases have increased significantly along with a rapid increase in the senior population needing medical care, home nursing etc. In Japan, we are at a turning point in the medical environment. For example, with the institution of a long-term care insurance establishment, medical treatment can be received outside the hospital.

With this background in mind, Hirosaki University, in order to meet the requirements of society and to perform our mission, combined the School of Allied Medical Sciences with a 25 years history and the Training Course for High School Teachers of Nursing, Faculty of Education with over 30 years of history, and established the School of Health Sciences in the School of Medicine. The purpose of the School of Health Sciences is to develop dedicated medical personnel with high ethics and humanity who contribute to the nation’s health and welfare.

2. History

The School of Health Sciences (5 Departments, 12 Chairs) was established on the first day of October, 2000 by integrating the School of Allied Medical Sciences established in April, 1975 with the Training Course for High School Teachers of Nursing, Faculty of Education.

When the School of Allied Medical Sciences was founded, the School of Nursing, School of Midwifery, School of Medical Technology, and School of Radiological Technology were reorganized, and a Department of Physical Therapy and a Department of Occupational Therapy were offered in addition. The Training Course for High School Teachers of Nursing, Faculty of Education was founded for high school teachers of nursing teachers. Each schools have long extensive histories and traditions as a medical worker educational institute and an institute of education.
## 3. Departments and Divisions

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<tr>
<th>School of Health Sciences</th>
<th>Department</th>
<th>Division</th>
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<tbody>
<tr>
<td></td>
<td>Nursing</td>
<td>Basic Nursing</td>
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<td>Maternal and Child Nursing</td>
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<td>Community Health Nursing</td>
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<td>Radiological Technology</td>
<td>Medical Radiological Science</td>
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<td>Medical Radiological Technology</td>
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<td>Medical Technology</td>
<td>Organic Function Technology</td>
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<td>Medical Laboratory Technology</td>
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<td>Physical Therapy</td>
<td>Basic Physical Therapy</td>
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<td>Physical Therapy of Dysfunction</td>
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<td></td>
<td>Occupational Therapy</td>
<td>Basic Occupational Therapy</td>
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<td>Applied Occupational Therapy</td>
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</table>
### 4. Number of Students Enrolled, Degrees, Qualification of National License Examination Admission

<table>
<thead>
<tr>
<th>Title of Major Courses</th>
<th>School Years</th>
<th># of Students Enrolled</th>
<th>Maximum # of Transfer Students at Junior</th>
<th>Degrees Granted</th>
<th>Qualification for National License Exam. Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>4 Years</td>
<td>80</td>
<td>10</td>
<td>Bachelor of Science (Nursing)</td>
<td>Nurse Health Worker Midwife Worker 2) High School Teacher (Nursing) 3)</td>
</tr>
<tr>
<td>Radiological Technology</td>
<td></td>
<td>40</td>
<td>5</td>
<td>Bachelor of Science (Health Science)</td>
<td>Radiological Technologist</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>4 Years</td>
<td>40</td>
<td>5</td>
<td>Bachelor of Science (Health Science)</td>
<td>Medical Technologist</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td></td>
<td>20</td>
<td>5</td>
<td>Bachelor of Science (Health Science)</td>
<td>Physical Therapist</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td></td>
<td>20</td>
<td>5</td>
<td>Bachelor of Science (Health Science)</td>
<td>Occupational Therapist</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td><strong>200</strong></td>
<td><strong>30</strong></td>
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1) Enrolled from April 2003
2) To be qualified for National License Examination Admission, a student must earn credits from specified mandatory courses.
3) The course would be offered by students' request.
5. Profile of Major Courses

Department of Nursing

Course Objectives

The sophistication and specialization of medicine has advanced. On the other hand, a change in social structure resulting in fewer children and more senior citizens has created a need for nursing activities not only in medical facilities but also in such places as homes, schools, and business offices. This trend has led to an even greater responsibility for nursing staff in contributing to society day after day.

The department of nursing offers not only an opportunity to learn highly specialized knowledge and skills but also the development of staff who contribute to the health care of ordinary people as well as those who are sick and to their satisfaction with daily life. It also develops high school nursing teachers.

Features of Curriculum

* The comprehensive study of humanity, the environment, and health in relation to nursing
  
  Related Subjects  Introduction to Health Aspects, Introduction to Environmental Aspects, Interpersonal Relationship, Communication Method, etc.

* The development of international vision and collaboration capability with a medical team and with a social welfare organization.

  Related Subjects  Introduction to Community Health Nursing, Introduction to Home Care Nursing, Health and Welfare Administrative Theory, Global Welfare, etc.

* The study of patients and their family QOL

  Related Subjects  Cancer Nursing, Quality of Life and Nursing, Family Nursing, Critical Care, etc.

* The study of the role of nurse in understanding the reality of perinatal medical counter measures

  Related Subjects  Introduction to Maternity Nursing, Maternity Health Care, Human Sexuality, Nursing Intervention for Parental Role, etc.

* The development of nursing education capability

  Related Subjects  Nursing Education, Teaching Method of Nursing, Nursing Education, Campus Lab, etc.

* The development of nursing research capability

  Related Subjects  Nursing Theories and Models, Interpersonal Relations in Nursing, Nursing Process, History of Nursing, Graduation Research, etc.

Possibilities after Graduation

+ nursing in medical institute, senior welfare facility, senior health center, home nursing station, etc.
+ health work
+ midwife work
+ high school teaching (sanitary nursing, general education, welfare)
+ work in educational institute or laboratory institute
+ graduate course
Course Objectives
Radiology has shown remarkable progress in contemporary medical technology. This curriculum is designed to meet the requirements of students who wish to learn a wide variety of extensive knowledge from fundamental courses to highly specialized advanced courses.

Moreover, students study the latest technology by working in the hospital through a student intern program. This way we develop the pragmatic capabilities of medical staff who collaborate with doctors and other medical technical workers.

Features of curriculum
* An understanding of the structure and function of the human body and the study of disease processes
   - Related Subjects  Introduction to Medical Science, Human Morphology, X-Ray Anatomy, Radiological Hygieneology

* The learning of image diagnostic skills and data processing skills
   - Related Subjects  Mathematical Analysis, Applied Mathematics, Basic Computer Science, Computer Science (Seminar), etc.

* The study of modern diagnostic radiological machinery with respect to theory and structure
   - Related Subjects  Radiation Instrumental Engineering I through IV, etc.

* Qualification for the national examination admission for the license of certified class I radiation equipment worker
   - Related Subjects  Radiation Physics, Radiochemistry, Radiological Management, Radiological Measurement Science, etc.

Possibilities after Graduation
+ work in a medical institute
+ work in the radiation management section of a business organization
+ work in a nondestructive inspection business company
+ work in a radiation equipment business company
+ graduate course
Course Objectives

Including the gene related area, highly specialized medical technology requires medical staff with both adequate knowledge and technical skills. The goal of the department of Medical Technology is to develop clinical laboratory workers with decision-making capability, with a practical mind, with rich humanity and creativity.

Moreover, we develop researchers who pursue the study as general science, clinical laboratory work teachers, and medical personnel who can contribute to international collaboration as a medical team member.

Features of Curriculum

* A comprehensive understanding of life phenomena and the study of fundamental medical technology

\textit{Related Subjects} Medical Physics, Medical Chemistry, Medical Biology, Hygiene, Biochemistry, Human Physiology, Human Morphology, Pathology, Microbiology, etc.

* The learning of knowledge and skills of biochemical assay, morphological examination, physiological evaluation, causes of disease and biophilaxis, and the development of the pragmatic capability necessary to be a clinical laboratory worker

\textit{Related Subjects} General Clinical Laboratory, Clinical Chemistry, Clinical Hematology, Clinical Immunology, Clinical Microbiology, Medical Zoology, Clinical Physiology, Surgical Pathology, etc.

* Proceeding study in depth depending on student’s interest and consideration with graduate course work

\textit{Related Subjects} Molecular Biology and Technology, Graduation Research, etc.

Possibilities after graduation

+ work in a medical institution
+ work in a laboratory professional association
+ work in a laboratory institution
+ work in public health facilities
+ work as a clinical laboratory machine builder
+ work in a pharmaceutical company
+ graduate course
**Course Objectives**

For people with reduced physical function and physical disability, physical therapy is a treatment of recovering or of maintaining physical function by means of exercise and physical and scientific methodology. The purpose of physical therapy is to provide a better quality of life for disabled people according to rehabilitation doctrine. However, in view of preventive disability care, maintaining physical function or even strengthening such function in non-disabled people is becoming an important role of physical therapy.

At the department of Physical Therapy, we study the human body and movement, analyze the problems of life caused by reduced physical capability or physical disability, and train in the skills of physical therapists to solve these problems. Our goal is to educate physical therapists who apply their extensive knowledge and skills flexibly, not limited to maintaining or promoting health condition, but also for a wide use in the sports field.

**Features of Curriculum**

* An understanding of the pleasure as well as the pain of human beings, and an acceptance of the existence of disabled people

  **Related Subjects**  Introduction to Rehabilitation, Principles of Physical Therapy (I), Principles of Physical Therapy (II), Human Science of Care, etc.

* An understanding of the human body and movement

  **Related Subjects**  Human Body Anatomy, Human Body Physiology, Human Development, Kinegiology, Medical Human Engineering, Clinical Psychology, Neurology, Pediatrics, Geriatric Medicine, Psychiatry, Orthopedics, Neurosurgery, etc.

* A development of pragmatic problem solution capabilities and treatment skills

  **Related Subjects**  Rehabilitation Medicine, Sports Medicine, Assessment and Diagnosis of Physical Therapy, Therapeutic Exercises, Physical Agents, Prosthetics and Orthotics, Analysis of Activities of Daily Living, Physical Therapy Skills, Environment for Daily Living, Community Rehabilitation Theory, Clinical Practice, etc.

* An awareness of problems and the pursuit of your own study

  **Related Subjects**  Basic Seminars, Introduction to Research in Physical Therapy, Research in Physical Therapy, Graduate Research

**Possibilities after graduation**

+ work in national/private hospitals  
+ work in a rehabilitation center  
+ work in facilities for the aged (Nursing homes)  
+ work in a facility for disabled children  
+ work in an educational and research institutions  
+ work in local government (health department, health center)  
+ graduate course
Department of Occupational Therapy

Course Objectives

The goal of Occupational Therapy is to help senior citizen and disabled people to recover from mental and physical sickness after a subacute period and to restart a high quality social life as well as home life.

In the department of Occupational Therapy, on the basis of medical rehabilitation through a wide human science system including psychology, caring theory, sociology, and community rehabilitation, we study and research occupational therapy activities for treatment training, disability prevention, behavior evaluation, clinical practice, and health maintenance and promotion.

Features of Curriculum

* The education of medical personnel with a view to treat a human being as a whole
  
  Related Subjects Human Care, Terminal Care, Communication Method, Social Welfare, Introduction to Geriatrics

* An understanding of other professions and an aim of smooth collaboration within the medical team
  
  Related Subjects Introduction to Medicine, Introduction to Nursing I, Introduction to Physical Therapy, Introduction to Speech Therapy, Introduction to Rehabilitation, etc.

* An understanding of regionality and the medical welfare services in social needs
  
  Related Subjects Special Lecture on Self Help Devices, Special Lecture on Community Rehabilitation, Occupational Therapy Roles, Special Lecture on Physical Dysfunction, Special Lecture on Psychiatric Dysfunction, Recreational Therapy, etc.

Possibilities after Graduation

+ work in a national / private hospital
+ work in a health service facility for the elderly
+ work in a home-visit nursing care station for the elderly
+ work as a welfare equipment instructor
+ work as a care manager
+ work as a teacher/instructor in an educational institute
+ work in an institute for the handicapped children
+ work in a welfare facility for the elderly
+ work in a rehabilitation center
+ graduate course
6. Curriculums

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<tr>
<th></th>
<th>General Education</th>
<th>Specialized Subjects</th>
<th>Clinical Practices</th>
<th>Graduation Research</th>
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**Department of Nursing**

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**Department of Radiological Technology**

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**Department of Medical Technology**

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**Department of Physical Therapy**

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**Department of Occupational Therapy**

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7. Location

◆ within Hirosaki City ◆

Guide to Hirosaki University, School of Health Sciences

1. From Aomori Airport
   @ Take a bus from airport terminal to Hirosaki station (about one hour)
   @ Take a taxi (about 30-40 minutes)

2. From Hirosaki Station, JR Oouhonsen line
   @ Take a bus from the station.
   For the bus bound for Kikyono or for Sakuragaoka-Danchi via Kinzoku-Danchi, get off at Hon-cho bus stop. It’s a 2-minute walk from the bus stop.
   @ For the bus bound for Fujishiro via Komagoshi, or for Shigemori, or for Yonchuko, get off the bus at Daigaku Byoin Mae bus stop. It’s a 1-minute walk from the bus stop.
   @ Take a taxi. (10 minutes)

3. From Kounan line
   @ It’s a 7-minute walk from Chuo-Hirosaki station.
◆ within Aomori Pref. ◆
Hirosaki University School of Health Sciences

66-1, Hon-cho, Hirosaki, 036-8564 Aomori-ken, Japan

PHONE : (+81)172-33-5111

FAX : (+81)172-39-5912

Homepage Address :

http://www.hs.hirosaki-u.ac.jp/kouhou/indexpage.htm