Internships and research projects with major health institutions and industry practitioners

State-of-the-art simulation facilities for various medical scenarios

First in Asia with instant access to medical information via personal digital assistants (PDAs) incorporated with an e-logbook for students on clinical attachments

Training that extends beyond healthcare education to include life sciences and psychology
Touch Lives
Want to make a difference in the lives of others? A career in the healthcare industry is personally satisfying and professionally rewarding. At the School of Health Sciences (HS), you will be trained to become competent healthcare professionals. You will also benefit from our broad-based curriculum that extends beyond traditional healthcare to cover elements of life sciences, psychology and sociology.

High-Tech Learning Environment
Enjoy breakthrough in learning by being the first in Asia to use PDAs incorporated with an e-logbook, as a learning tool. Databases of drugs, diseases and diagnostic tests can be retrieved in an instant. The PDA also serves as your mobile translator, and stores your medical journals and even lecture notes! This digital tool revolutionises the way you learn and assists you in providing quality care for your patients during your work attachment. Lugging heavy textbooks is now a thing of the past!

You also enjoy learning in state-of-the-art facilities like the Patient Simulation Centre, intensive care units (ICUs), nursing wards and an operating theatre (OT). As a nursing student, you will have ample opportunities to hone your skills through hands-on experience at these facilities where all kinds of emergency scenarios are simulated.

Similarly, as an Optometry student, you will get practice-oriented training under the guidance of qualified and practising optometrists at our new Optometry Centre.

Best Practices in the Industry
You will benefit from the School’s close links with major healthcare institutions, including hospitals and polyclinics, community hospitals, rehabilitation centres and nursing homes. You will also engage in research projects through on-going collaborations with these partners. Go on clinical attachments at institutions such as Singapore General Hospital, National University Hospital and Alexandra Hospital – where you may begin your career immediately upon graduation.

Optometry students also gain from HS’ partnership with the health industry. With a 15-week internship at retail practices, ophthalmology clinics and eyecare product companies, you will enter the industry with a set of marketable skills.

Beyond the Curriculum
The School’s vision “Passion to Touch Lives” reaches beyond the curriculum as students contribute to local and regional communities. The student-led Health Sciences Society organises community activities for freshmen each year. You will have many opportunities for overseas trips, industry visits, and community outreach programmes.

HS’ unique learning environment will nurture your spirit of compassion – a trait critical to a successful and enjoyable career in healthcare.

For more information about the School, log on to www.np.edu.sg/hs
diploma in
health sciences
(nursing) (N69)

45 weeks of clinical attachment at major healthcare institutions
Curriculum includes life sciences leading to broader career options
An enriching nursing experience with overseas attachment programmes
Accreditation by Singapore Nursing Board as a Singapore Registered Nurse
Accredited for entry into medicine, nursing or dentistry courses at NUS
Sponsorship opportunities from hospitals that provide monthly allowances
ABOUT THE DIPLOMA

Enthralled by the drama of Grey’s Anatomy where doctors and nurses struggle to save lives? If you want to help others, look no further! The Diploma in Health Sciences (Nursing) (HSN) prepares you for a fulfilling career as a healthcare professional. HSN is accredited by the Singapore Nursing Board and you will graduate as a registered nurse in Singapore.

More than Nursing
As a globally respected profession, nursing has expanded beyond its traditional scope of work. In addition to nursing modules, you will learn about the latest developments in biomedical sciences such as cell and molecular biology, clinical trials and drug discovery. You will also gain knowledge in the fields of research, biological and behavioural sciences, further equipping you to help patients recover.

Practice-oriented Training
You will have many opportunities for practical training at major healthcare institutions such as hospitals, polyclinics, rehabilitation centres and nursing homes.

Through our close industry collaborations you will enjoy being at the heart of modern healthcare practice in Singapore. Our 45-week clinical attachment programme throughout your three-year course will give you invaluable industry exposure.

Hospital Sponsorship
You may receive a hospital sponsorship and enjoy a monthly allowance of between $850 and $950. Get paid to study!

Global Exposure
Want to experience a different culture and work environment? Our overseas immersion programmes will nurture your adaptability while exposing you to the regional healthcare systems. HS has strong ties with tertiary institutions, both regionally and globally. These institutions include the Hong Kong Polytechnic University, Assumption University in Thailand, University of Sydney, Australia’s Griffith University and Fudan University in China.

You can also participate in community projects or adventure camps in countries such as China, India, Cambodia, Thailand and Malaysia. Past community projects include providing health-screening, health education and setting up health assessment centres in these countries.
<table>
<thead>
<tr>
<th>WHAT YOU WILL LEARN</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td><strong>Year 2</strong></td>
</tr>
<tr>
<td>• Fundamentals of Nursing</td>
<td>• Cell &amp; Molecular Biology</td>
</tr>
<tr>
<td>• Nursing Skills Laboratory</td>
<td>• Pharmacology 1</td>
</tr>
<tr>
<td>• Psychology &amp; Sociology 1</td>
<td>• Nursing Research 1</td>
</tr>
<tr>
<td>• Anatomy &amp; Physiology</td>
<td>• Singapore &amp; World Issues^</td>
</tr>
<tr>
<td>• Microbiology &amp; Infection Control</td>
<td>• Sports &amp; Wellness^</td>
</tr>
<tr>
<td>• Communication in Nursing Practice</td>
<td>• Creative &amp; Innovative Thinking Skills^</td>
</tr>
<tr>
<td>• Clinical Attachment</td>
<td></td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td><strong>Year 3</strong></td>
</tr>
<tr>
<td>• Nursing Science 1, 2, 3 &amp; 4</td>
<td>• Clinical Attachment</td>
</tr>
<tr>
<td>• Nursing Skills Laboratory</td>
<td>• Psychology &amp; Sociology 2</td>
</tr>
<tr>
<td>• Pharmacology 2</td>
<td>• Law, Ethics &amp; Healthcare</td>
</tr>
<tr>
<td>• Nursing Research 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Nursing Skills Laboratory</td>
</tr>
<tr>
<td></td>
<td>• Life Sciences Elective</td>
</tr>
<tr>
<td></td>
<td>• Clinical Attachment</td>
</tr>
</tbody>
</table>

^Interdisciplinary Studies (IS) modules
WHAT YOU CAN BECOME
HSN is more than a gateway to the nursing profession – it leads you to a wide range of employment opportunities. There is an increasing demand for healthcare professionals, not only in primary healthcare but also in other related industries.

Besides working as a registered nurse, you can also be employed in pharmaceutical, biomedical and research institutions, as well as in the areas of drug discovery and clinical research in the life sciences industry.

FURTHER STUDIES
For further clinical specialisation and career development, you may choose to take up post-registration clinical courses. Your diploma allows you to pursue degrees locally at National University of Singapore (NUS), Nanyang Technological University, Singapore Management University or at accredited overseas universities. The Exceptional Individual Scheme offers graduates accreditation to Medicine and Dentistry courses at NUS.

You can even go on to pursue advanced diplomas in the areas of Perioperative Nursing, Nursing (Chronic Disease Management) and Critical Care Nursing, the most in-demand field in Singapore, with us.

ENTRY REQUIREMENTS
To be eligible for consideration, candidates must have the following GCE ‘O’ Level examination (or equivalent) results and fulfil the aggregate computation requirements.

<table>
<thead>
<tr>
<th>Subject</th>
<th>‘O’ Level Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language*</td>
<td>1–7</td>
</tr>
<tr>
<td>Mathematics (Elementary/Additional)</td>
<td>1 - 6</td>
</tr>
<tr>
<td>Science (with Physics, Chemistry or Biology component)</td>
<td>1 - 6</td>
</tr>
<tr>
<td>or Food &amp; Nutrition</td>
<td></td>
</tr>
<tr>
<td>or Human &amp; Social Biology</td>
<td></td>
</tr>
<tr>
<td>or General Science</td>
<td></td>
</tr>
</tbody>
</table>

The aggregate computation for selection is based on grades obtained for English, Mathematics, Science or Design & Technology (Grade 1-9) or Food & Nutrition or a relevant OSIE/ Applied Subject (Grade 1-9) and two other subjects.

* Candidates with English as a second language (EL2) must have attained a minimum grade of 6.

Due to the special requirements of the healthcare profession, all candidates have to pass a medical examination and be free from physical handicap to ensure suitability.
diploma in optometry

Strong emphasis on real-life practice-oriented training, with medical doctors on hand to assist in eye diagnosis

Graduates will be competent to perform eye disease diagnosis, and recommend the necessary treatment

Rigorous training in evidence-based research through internships with ophthalmology clinics, optometry retail practices, and eyecare product manufacturers

Excellent grounding in consumer behaviour enables graduates to better understand and communicate with customers

Unique modules such as Paediatric Vision, Geriatric Vision and Low Vision

Endorsed by Singapore Optometrists and Opticians Board
ABOUT THE DIPLOMA

With an increasingly ageing population and rising myopia prevalence, it has been projected that more than 80 per cent of Singapore’s adult population could be myopic within two to three decades. More and more qualified optometrists are needed to prevent and correct refractive errors, as well as to detect, diagnose and manage eye disorders.

The Diploma in Optometry (OPT) trains you to become a professional optometrist. Learn how to examine eyes, test sight, give advice on visual problems, prescribe and dispense spectacles and contact lenses and recommend other treatments or visual aids. You will benefit from a strong emphasis on hands-on optometry practice, such as refraction and clinical practice and internships. Medical doctors will also be available to teach you how to diagnose eye ailments.

You will also hone your skills under the guidance of qualified and practising optometrists at our new Optometry Centre. This, together with a 15-week internship at retail practices, ophthalmology clinics and eyecare product companies, ensures that you enter the workforce with valuable work experience.

OPT also includes modules in psychology to help you better understand and communicate with customers and in evidence-based research.
## WHAT YOU WILL LEARN

### Year 1

- General Anatomy & Physiology
- Chemistry & Biochemistry
- Geometrical & Physical Optics
- Mathematics
- Ocular Anatomy & Physiology
- Fundamentals of Contact Lens
- Microbiology & Pathology

- Refraction
- Ophthalmic Optics
- Visual & Physiological Optics
- Systemic Pathology
- Creativity & Applied Thinking Skills^ 
- Sports & Wellness^ 
- Communication Toolkit^ 

### Year 2

- Clinical Optometry
- Clinical Optometric Instrumentation
- Lens Glazing & Dispensing
- Contact Lens Fitting
- Binocular & Sports Vision
- Ocular Diseases & Management
- Contact Lens Patient Management

- Biostatistics & Research Methods
- Paediatric Vision Management
- General Clinical Practice 1
- Innovation & Enterprise in Action^ 
- Any 2 IS modules^ 
- 3-month Internship

### Year 3

- Community Optometry
- Retail Optometric Practice Management
- Research Project A & B
- Contact Lens Clinical Practice 1 & 2
- General Clinical Practice 2 & 3
- Optometry Law & Ethics

- Psychology
- Geriatric & Low Vision
- Ophthalmic Pharmacology
- Paediatric Clinical Practice
- World Issues: A Singapore Perspective^ 
- Any 1 IS module^ 

^Interdisciplinary Studies (IS) modules
WHAT YOU CAN BECOME
There are now about 800 optical shops and 100 ophthalmologists in Singapore. The average salary of a fresh Optometry graduate working in an optometry retail outlet ranges from $2,400 to $3,500 (inclusive of commission) per month.

With a Diploma in Optometry, you will be able to perform refraction, prescribe optical appliances and contact lenses and detect abnormalities in the visual system by using optical equipment. Your future employers include optometry retail outlets, ophthalmological clinics, and eyecare-related companies or hospitals.

FURTHER STUDIES
You can enrol in relevant degree programmes offered by overseas universities such as:
- Cardiff University, United Kingdom
- City University London, United Kingdom
- The Hong Kong Polytechnic University, Hong Kong
- University of New South Wales, Australia

You can also apply to the local universities, such as Nanyang Technological University, National University of Singapore (NUS) and Singapore Management University. For example, you can enrol in the following bachelor degrees offered by NUS: Architecture, Arts & Social Sciences, Business Administration (all specialisations), Communications & New Media, Computing, Computer Engineering, Industrial Design, Law, Music, Nursing, Project & Facilities Management and Real Estate.

You can even pursue a foreign degree without leaving Singapore. Sign up for University of Manchester’s (UK) Bachelor of Science (with honours) in Optometry at the Singapore Institute of Applied Technology.

ENTRY REQUIREMENTS
To be eligible for consideration, candidates must have the following GCE ‘O’ Level examination (or equivalent) results and fulfil the aggregate computation requirements.

<table>
<thead>
<tr>
<th>Subject</th>
<th>‘O’ Level Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language*</td>
<td>1 - 7</td>
</tr>
<tr>
<td>Mathematics (Elementary/Additional)</td>
<td>1 - 6</td>
</tr>
<tr>
<td>Science (with Physics, Chemistry or Biology component)</td>
<td>1 - 6</td>
</tr>
</tbody>
</table>

The aggregate computation for selection is based on grades obtained for English, Mathematics, Science or Design & Technology (Grade 1-9) or Food & Nutrition (Grade 1-9) or a relevant OSIE/ Applied Subject (Grade 1-9) and two other subjects.

* Candidates with English as a second language must have attained a minimum grade of 6.

Candidates with severe vision deficiency should not apply for the course.
Join Us
If you took the 2009 GCE ‘O’ Level examinations as a school candidate, you may apply on-line through the Joint Admissions Exercise (JAE). Details will be available in the JAE information booklet that will be distributed by your secondary school.

Applicants who are not eligible to apply under the JAE and holders of other qualifications may refer to our website at www.np.edu.sg/admissions/apply for application details.

Tuition Fees
$2,100 Per Academic Year (For Local Subsidised Students)