



Allied Health
Sciences

Why Health care?

In an uncertain economic climate, job security is a valuable commodity. But many careers that previously seemed recession-proof have been downsized, outsourced or shipped off to foreign countries. The trick is to find an industry in which the demand for services continuous. One such area is health care.

No matter which way the economic indicators are pointing, people will continue to need medical care. And as the Baby Boomers get older, they'll need more and more health services, whether they seek care in hospitals, assisted living facilities, or at home. The demand for qualified health care professionals will stay strong.

According to the World Health Statistics 2009 published by the World Health Organization ("WHO"), health care expenditure is expected to be on an increasing trend. WHO estimated that the percentage of population aged above 60 will grow to 22% of the world's population by 2050 as compared to 11% recorded in 2007. Coupled with a growing life expectancy (which is currently 71 years), health care spending is projected to increase. Besides this, the deteriorating condition of the environment and the increasing likelihood of pandemic outbreaks such as the recent AH1N1 will also create greater awareness of potential health threats. This in turn, will result in more individuals seeking for better health care than in the past.

Therefore, holders of qualifications relating to this industry have excellent job opportunities, both locally and overseas.

Intakes

March, July & September

Entry Requirements

- SPM / O-Levels or equivalent with minimum 3 credits including a credit in any Science subject and a pass in BM
- Proficiency in English Language will be an advantage

DIPLOMA IN HEALTH CARE

The Diploma in Health Care is a 3-year programme that provides comprehensive coverage of the health care management needs within the health care industry. The Diploma in Health Care aims to groom students with the appropriate health care management knowledge, personal skills and business leadership skills to enable them to contribute effectively to the management of health services and the planning and attainment of goals and objectives.

The programme encompasses both medical and management fields. The programme is built over four (4) major areas with a capstone applied practicum (clinical placement) during the last semester that will allow trainees to put their knowledge to practice in a community and hospital administrative setting. The 4 major areas are:

- The Management Process
- Health Policy and Planning
- Behavioral Science / Allied Science
- Basic Science

Programme Modules

- English for Science
- Computer Applications
- Anatomy and Physiology 1
- Anatomy and Physiology 2
- Fundamental Chemistry
- Microbiology & Parasitology
- Introduction to Pharmacology
- Psychology
- Sociology, Medical Ethics & Professional Development
- Introduction to Environmental Health
- Introduction to Health Science
- Introduction to Health Care Systems
- Introduction to Public Health
- Communication in Health Care
- Health Promotion and Education
- Management of Medical Inventory
- Leadership in Health Care Organisations
- Health Care Information Systems
- Health Economics
- Disease Control and Monitoring
- Occupational Health and Safety
- Nutrition and Health
- Mental Health and Illness
- Introduction to Environmental Health
- Applied Practicum 1
- Applied Practicum 2

Career Opportunities

Health Care graduates oversee and manage elements involved in the health care system. Graduates of Diploma in Health Care will have employment opportunities in the following sectors:

- Hospitals
- Clinics
- Public Health Department
- Rehabilitation Centers
- Community Health Organisations
- Nursing Homes
- Health Insurance Organisations
- Health Care Consulting firms
- Universities and Research Institutions

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

The Diploma in Medical Laboratory Technology provides the academic background and technical skills necessary to enter the health care system as a practising medical laboratory technician. Students will gain educational experiences and knowledge to develop critical thinking, technical and interpersonal skills required to be a successful clinical laboratory scientist. The programme also integrates knowledge gained from general education, health science and clinical laboratory science so that students, as future laboratorians, will exercise good judgment, ethics and appropriate decision-making abilities to serve the needs of the community and the health profession.

The programme includes a 28-week Medical Laboratory Placement in Year 2 and Year 3.

Programme Modules

- English for Science
- Fundamental Chemistry
- Human Biology
- Introduction to Medical Laboratory Technology
- Computer Applications
- Laboratory Mathematics
- Immunology
- Molecular Biology
- Histopathology
- Medical Microbiology
- Immunohematology
- Biochemistry
- Cytology
- Clinical Placement
- Medical Parasitology
- Biostatistics

Career Opportunities

Graduates from the Diploma in Medical Laboratory Technology programme will be qualified to enter the health care system as practising medical laboratory technologists and may find employment in Government Hospitals, Private Laboratories, Reference Laboratories, Research Assistant Technical Service of Medical Supplier and Manufacturers, Product Development and Pharmaceutical.

Graduates can also assume scientific supply sales and marketing positions, having an advantage in areas of technical knowledge.

DIPLOMA IN ENVIRONMENTAL HEALTH

Environmental health is the branch of public health that is concerned with the effects of environmental factors on the health and well-being of people, including water quality for consumption, indoor and outdoor air quality, waste management, housing, contaminated land, food quality, infectious disease and hygiene.

The 3-year Diploma in Environmental Health programme provides students with comprehensive training in areas of environmental health, namely air, food and water quality, soil pollution, waste management, noise pollution, pest control, housing and the use of hazardous substances while also developing students' knowledge of and ability to respond to current and emerging issues.

The programme also places a strong emphasis on communication and educational skills, the principles of human behaviour, and the ability to resolve problems, with the aim of encouraging students to promote an understanding of environmental health and the role of their profession within the community and to be committed to ongoing lifelong learning.

Programme Modules

- English for Science
- Fundamental Chemistry
- Introduction to Health
- Computer Applications
- Introduction to Environmental Health
- Water Supply and Water Quality
- Epidemiology and Biostatistics
- Anatomy and Physiology
- Introduction to Environmental Toxicology
- Waste Water and Sewage Disposal
- Food Quality and Safety
- Laws and Legal Procedures in Environmental Health
- Land Use and Housing Environmental Issues
- Soil and Hydrogeology
- Medical Microbiology
- Food Hygiene
- Pest and Vector Management
- Disease Prevention and Control
- Environmental Health Impact Assessment
- Occupational Safety and Health
- Practical Field Training
- Communication in Health
- Health Promotion and Education

Career Opportunities

Graduates from Diploma in Environmental Health are qualified to work as an Assistant Environmental Health Officer (EHO) at the Ministry of Health or local authorities, as Safety and Health Officer, or as an Environmental Health Researcher.

Graduates are also qualified to be involved in law enforcement, food safety, occupational health and safety, land-use and housing, environmental sanitation, wastewater treatment and water supply, noise control, air emission, industrial wasteland contamination, air/water pollution control, communicable diseases including vector borne disease control, and control of non-communicable diseases.

DIPLOMA IN NURSING

The Diploma in Nursing is designed to prepare students to be qualified as Registered Nurses. This programme focuses both on the 'care' aspects of nursing as well as the 'science' of health care. Students will undergo a complete learning experience involving classroom work, activities at simulation wards, practical room, skills lab, and Human Patient Simulator lab, as well as earn real life experience during attachments with partner hospitals and community health clinics.

The programme is approved by the Ministry of Education and Malaysian Qualifications Agency. It is also accredited by the Ministry of Health & Malaysian Nursing Board. Students who pass the final examinations can register with the Malaysian Nursing Board.

Programme Modules

Students studying the Diploma in Nursing will cover syllabus across 3 areas:

Health Sciences

- Anatomy & Physiology
- Pharmacology
- Anesthesia
- Microbiology & Parasitology

Behavioural Sciences

- Psychology
- Communication
- Human & Public Relations
- Sociology
- Medico-Legal Aspects
- Professional Development
- Principles of Management
- Health Systems Research

Nursing Sciences

- Principles and Practice of Nursing
- Infections & Inflammation Disease, Burn & Scalds, Fluid & Electrolyte
- Haemopoietic
- Cardiovascular System
- Respiratory System
- Gastrointestinal System
- Reproductive System
 - (i) Obstetrics, and
 - (ii) Gynaecology
- Musculo
 - Skeletal System
- Genito Urinary Nursing
- Community Health Nursing
- Gerontology
- Environmental Health
- Nervous System
- Endocrine System
- Dermatology
- Epidemiology
- Mental Health Nursing
- Ophthalmological & Ear, Nose, Throat Nursing
- Communicable Disease
- Emergency & Disaster Nursing

As part of the curriculum, students will be required to take 4 general subjects (Mata Pelajaran Umum), as required by the Ministry of Education, Malaysia

Career Opportunities

Holders of the SEGi Diploma in Nursing are able to access many employment opportunities in the field of clinical nursing, health care, education and management, both locally and internationally. They can hold positions as a registered nurse in the health care industry (corporate and business sector), nursing supervisor, manager in a hospital, educator, industrial nurse, product specialists, etc.

KPT/JPS(A6929)(5/14) JPT/BPP(A7478)(12/16)
• KPT/JPS(PA8999)(9/18) • KPT/JPS(KA9342)
(11/18) KPT/JPS(PA9095)(8/18) **KD, KL, SJ,
PG & SWK CAMPUSES**

This programme has been developed to achieve the following aims:

- 1 Promote the enhancement of contemporary nursing knowledge through the study of scientific & humanistic literature
- 2 Enhance the development of the intellectual skills of reflection and critical thinking and evaluation to promote & extend the personal & professional practice & roles
- 3 Promote the understanding of the changing nature of health policy & its impact on professional practice

Graduates will be able to:

- 1 Critically analyse factors that influence the efficacy of managerial functions in health care settings
- 2 Demonstrate the ability to facilitate, initiate, lead & evaluate change in the work environment
- 3 Evaluate the ethical, legal and professional framework that challenge professional decision-making and innovation
- 4 Through active participation, demonstrate the understanding for & ability to implement health promotion initiatives in practice
- 5 Facilitate clinical learning and evaluate his/her own skills in teaching and assessing, identifying strategies for further improvement
- 6 Critique and promote the use of research findings to enhance professional development in practice

Programme Modules

Year 1

Semester 1

- Developing an initial portfolio for practice
Orientation: 2 wks
Study: 16 weeks
Leave: 8 weeks

Year 2

Semester 2

- Challenging Professional Boundaries
Study: 10 weeks
Leave: 3 weeks
- Health Management in Practice
Study: 10 weeks
Leave: 3 weeks

Semester 3

- Teaching & Assessing for Professional Practice
Study: 10 Weeks
Leave: 3 weeks
- Research Methods
Study: 10 weeks
Leave: 3 weeks

Semester 4

- Health Promotion
Study: 10 weeks
Leave: 3 weeks
- The Project
Study: 10 weeks
Leave: 3 weeks

As part of the curriculum, students will be required to take 4 general subjects (Mata Pelajaran Umum), as required by the Ministry of Education, Malaysia

Career Opportunities

Holders of the University of Greenwich BSc (Hons) Professional Practice in Nursing are able to access many employment opportunities in the field of clinical nursing, health care, education and management, locally and abroad. They can hold positions as a registered nurse, nursing supervisor, manager in a hospital, educator, industrial nurse, product specialists, etc.

the best in you, made possible



SEGi
University
Group

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