

9.0 GENERAL INFORMATION

9.1 CAREER GUIDANCE

9.1.1 Biomedicine

Career prospects for the Biomedicine programme include:

1. Science/research officers at research institutes, institutions of higher learning, hospitals, public and private medical laboratories.
2. Production and administrative officers in related industries including Quality Control officers, sales personnel and advisors in the pharmaceutical, food and beverage industries, suppliers of medical products and instrumentations and as environmental officers.
3. Tutors/Lecturers at institutions of higher learning in both private and public sectors. Graduates can also register as graduate students, or join the academic staff training programmes at any of the institutions of higher learning.

The examples given above are not restrictive and graduates can also involve themselves in many areas of scientific or commercial ventures that is available now or in development particularly in the biotechnology field.

9.1.2 Dietetics

Career opportunities for graduates of the Dietetic programme are ample in Malaysia and as well as in other countries. These include:

1. Clinical dietitians, catering dietitians, sport dietitians in government hospitals, health clinics, private hospitals, wellness centre and institutions.
2. Science or research officers at institutions of higher learning and research.
3. Tutors at public and private institutions of higher learning. Graduates can also register as graduate students and join the academic staff training programmes of institutions of higher learning.

9.1.3 Nursing

Career opportunities in nursing are wide in Malaysia and overseas; these include:

1. Clinical nurses and nurse administrators at government and private hospitals including community health centres.
2. Clinical nurses, nurse administrators or counsellors at special institutions or organizations such as Hospice, Nursing homes, Rehabilitation centres and various manufacturing industries.
3. Nurse educators at public and private institutions of higher learning. Graduates can also register as post graduate students and join the academic staff training programmes of institutions of higher learning.
4. Officers or administrators in research institutions, hospital, pharmaceutical, diagnostic laboratories and other health related industries of both public and private sectors.

9.1.4 Forensic Science

Career prospects for the Forensic Science graduates include:

1. Officers at the forensic services of the Royal Malaysia Police, Department of Chemistry Malaysia, Fire and Rescue Department, government hospitals and forensic private agencies.
2. Science or research officers at research institutes or institutions of higher learning, private and public hospitals and diagnostic laboratories.
3. Production, administrative or sales personnels of industries such as pharmaceuticals, food and beverages, reagent suppliers and biomedical instrument suppliers as well as environmental officers.
4. Tutors/Lecturers at public and private institutions of higher learning. Graduates can also register as graduate students and join the academic staff training programmes of institutions of higher learning.

It must be emphasised that the examples of jobs given are not limited to those mentioned. The curricula which are offered by the School are flexible enough to provide graduates with skills and abilities which will enable them to prospects jobs in a wider domain including private investigation, insurance investigation and other forensic related areas.

Opportunities are wide for high achieving students to pursue post-graduate courses and become teaching staffs of the future at institutions of higher learning.

9.1.5 Medical Radiation

Career prospects for graduates of the Medical Radiation programme are wide in Malaysia and overseas. These include:

1. Radiation protection officers at government and private hospitals, research institutions and public and private health organisations.
2. Personnel involved in commercial activities within the production industries related to the field and also in the health care industries.
3. Science or research officers at institutions of higher education.
4. Tutors/Lecturers at public and private institutions of higher education. Graduates can also register as graduate students and join the academic staff training programmes of institutions of higher education.

9.1.6 Audiology

The graduates from the Audiology programme may provide services or work at various settings:

1. As audiologists at medical settings (e.g. government and public hospitals, rehabilitation centres); educational settings (e.g. special education schools, early intervention centers); or private practice offices.
2. As academicians (e.g. tutors, lecturers) at public and private institutes of higher learning.
3. As researchers at the institutes of higher learning, research laboratories or centres.

9.1.7 Speech Pathology

Qualified professionals in Speech Pathology are known as Speech-Language Pathologist or *Pegawai Pemulihan Perubatan (Pertuturan)* in the government sector

1. Job opportunities in this profession are immense, including:
 - Health sectors (government hospital, private hospital or private practice)
 - Education sectors (special school or normal school)
 - Non-government sectors (intervention center or rehabilitation center)
 - Community and welfare sectors (community based rehabilitation center)

2. Additionally, they can also:
 - become academic staff at the university as clinical supervisors or lecturers (after completing postgraduate degrees at masters/doctor of philosophy levels)
 - conduct research and development as researchers
 - manage related institutions as the managing officers.

9.1.8 Exercise and Sports Science

The graduates from the Exercise and Sports Science programme may provide services or work at various settings:

1. As science/research/sports officers in medical institutions (e.g. government and public hospitals, rehabilitation centers, Youth and Sports Departments); educational settings (e.g. special education schools, sport schools, early intervention centers, universities); sports institutions and associations (National Sports Institute, BAM, FAM) or private practising organisations.

2. As academicians (e.g. tutors, lecturers) at public and private institutes of higher learning.

3. As coaches, sports science consultants, sports administrators and managers, health coordinators, health club managers in both government and private sectors.

9.1.9 Nutrition

Career opportunities for graduate of the Nutrition programme are ample in Malaysia as well as in other countries. These include:

1. Nutritionists, nutrition product advisor, sports nutritionist in the government sector and private industries, wellness centres and institutions.
2. Science or research officers at institutions of higher learning and research institutes.
3. Tutors at public and private institutions of higher learning. Graduates can also register as graduate students and join the academic staff training programmes of institutions of higher learning.

9.1.10 Environmental and Occupational Health

Career opportunities for graduates of the Environmental and Occupational Health programme are broad to include public and private sectors, industries and agencies either in Malaysia or abroad. These include:

1. Safety and health officers, environmental health officers, environmental control officers, factory and machinery inspectors and safety supervisors.
2. EMS engineers, EHS executives, health promotion officers and operation officers.
3. Training officers, auditors and marketing executives.
4. Science or research officers at institutions of higher learning and research.
5. Tutors/Lecturers at public and private institutions of higher learning. Graduates can also register as graduate students and possibly join as teaching staff in Higher Education institution.

9.2 PRIZES, AWARDS AND DEAN'S LIST

The School is continually soliciting funds for the setting up of gold medal awards to be awarded to the best final year students in all programmes as well as funds for other prizes and awards.

Students obtaining a CGP of 3.67 and above in any semester will receive a Dean's List Certificate.

9.3 SOCIETY

Students of the School of Health Sciences automatically become the members of the Health Science Society of the University.

9.4 POSTGRADUATE PROGRAMMES

The School of Health Sciences offers Masters (M.Sc.) in mixed mode in Biomedicine and Science Forensic by course work in Sports Science. The school also offer as well as Masters (M.Sc.) and Doctrate (Ph.D.) courses via research mode in many disciplines such as Biomedicine (e.g. Diagnostics, neurocognitive science, natural health products, vacinnology, cancer biology, immune regulations, gene regulations and protein-protein interaction), Forensic Science (e.g. DNA fingerprinting, Forensic Chemistry, Environmental Forensics and Forensic Toxicology), Dietetics and Nutrition (e.g. community nutrition, clinical nutrition and human nutrition) and many others. Candidates shall have graduated with a Bachelors degree from recognised universities and obtained a CGPA of at least 2.75 for the Masters programme and 3.67 or graduate with a Masters for the Ph.D. programme. However students with a CGPA of less than 2.75 may be considered if they possess appropriate and relevant working experience or experience in research. Interested candidates can contact the Deputy Dean (Research) Post Graduate Studies or the USM Post Graduate Institute for further information.

9.5 OVERSEAS TRAINING SCHEME

Universiti Sains Malaysia offers limited and highly competitive overseas training schemes to students of levels 100 and 200 who are interested to pursue courses of one semester duration at any foreign university. This scheme is devised with the purpose of exposing students to experience studying at the international level with the possibility of credit transfers. Further details of this scheme can be obtained from the office of International Relations, Division of Academic and International Affairs, USM.