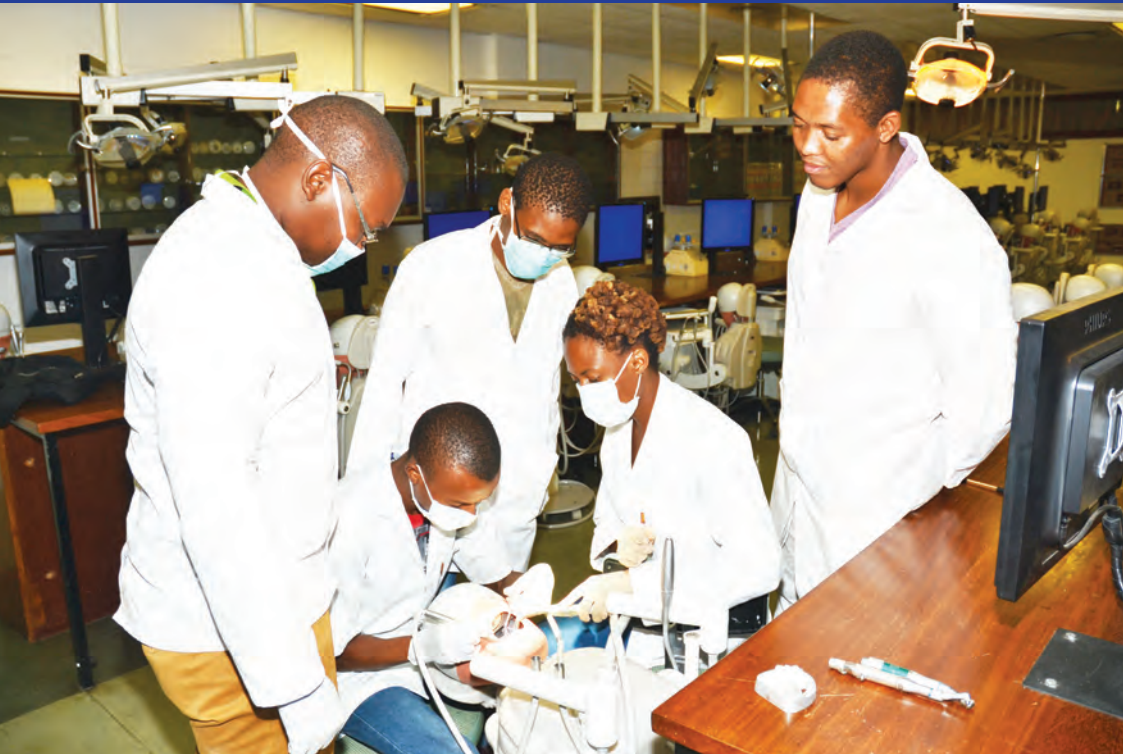




SEFAKO MAKGATHO HEALTH SCIENCES UNIVERSITY(SMU)

UNDERGRADUATE COURSES



www.smu.ac.za

"Knowledge for Quality Health Services"

SCHOOL OF MEDICINE

<i>Degree Programme</i>	<i>Duration</i>	<i>Admission Requirements</i>		<i>Possible Career Opportunities</i>
Bachelor of Medicine and Bachelor of Surgery (MBChB)	6yrs	Life Sciences	5	Medical Doctor, researcher, academic training of medical students and specialists.
		Mathematics	5	
		Physical Sciences	5	
		English	4	
		Life Orientation	5	
		Additional Subjects	6	
		Total	30	
Bachelor of Medicine and Bachelor of Surgery Extended Curriculum Programme (MBChB ECP)	7yrs	Life Sciences	5	Medical Doctor, researcher, academic training of medical students and specialists.
		Mathematics		
		Physical Sciences		
		English		
		Life Orientation		
		Additional Subject		
Bachelor of Diagnostic Radiography (B Rad)	3yrs	Life Sciences	4	Radiographer taking X-rays in public hospitals, private hospitals, mining industry, military industry, lecturer, private practice.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	4	
		Additional Subject(2)	5	
		Total	25	

SCHOOL OF HEALTH CARE SCIENCES

<i>Degree Programme</i>	<i>Duration</i>	<i>Admission Requirements</i>		<i>Possible Career Opportunities</i>
Bachelor of Pharmacy (BPharm)	4yrs	Life Sciences	4	Pharmacist, Hospital or Community Pharmacy, Pharmaceutical Industry, Public Service Practice, Managed Care Pharmacy, Academia and Private Practice.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	3	
		Additional Subject 2	3	
Bachelor of Nursing Sciences and Art (B Cur)	4yrs	Life Sciences	4	Community nurse, midwife, psychiatric nurse, private practitioner, administration in a hospital/ community clinics, private industry and government.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	3	
		Additional Subject 2	3	
Bachelor of Science in Physiotherapy (BSc Physio)	4yrs	Life Sciences	4	Physiotherapist, Private and Public Hospitals, private practitioner, sports physiotherapist, academic and research.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	4	
		Additional Subject 2	4	
		Total	27	

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<i>Degree Programme</i>	<i>Duration</i>	<i>Admission Requirements</i>		<i>Possible Career Opportunities</i>
Bachelor of Speech Language, Pathology and Audiology (B SLP & A)	4yrs	Life Sciences	4	Speech Language Therapist/ Audiologist, counseling individuals with communication disorders, consultant, research, treat patients who suffered strokes or functional abnormalities.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	3	
		Additional Subject 2	2	
		Total	24	
Bachelor of Occupational Therapy (B Occ Ther)	4yrs	Life Sciences	4	Occupational Therapist treats clients with disabilities to function independently. Practical experience includes exposure to patients and clients of all age groups in general hospitals, psychiatric institutions, special school and in the community.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	3	
		Additional Subject 2	3	
		Total	25	
Bachelor of Science in Dietetics (BSc Dietetics)	4yrs	Life Sciences	4	Dietician in hospital, community dietician, food service manager, consultant for food production companies, medical representatives of nutrition companies, private practice, education/ academic institutions, research centres.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	3	
		Additional Subject 2	3	
		Total	25	

SCHOOL OF ORAL HEALTH SCIENCES

<i>Degree Programme</i>	<i>Duration</i>	<i>Admission Requirements</i>		<i>Possible Career Opportunities</i>
Bachelor of Dental Surgery (BDS)	5yrs	Life Sciences	5	A Dentist's work ranges from the prevention of tooth decay, preparing and filling of cavities to highly intricate tooth reconstruction and realignment procedures, as well as exciting methods to perfect the appearance of the mouth, teeth and surrounding tissues. A Dentist can work in private practice, public dental services and academic dentistry.
		Mathematics	5	
		Physical Sciences	5	
		English	4	
		Life Orientation	3	
		Additional Subject 1	4	
		Additional Subject 2	4	
		Total	30	
Bachelor of Dental Therapy (BDT)	3yrs	Life Sciences	4	A Dental Therapist performs all the basic much needed procedures extractions, clearing and polishing teeth, and X-rays. A Dental Therapist can work in private practice, public dental service and academic dentistry.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	4	
		Additional Subject 2	3	
		Total	26	
Bachelor of Oral Hygiene (BoH)	3yrs	Life Sciences	4	An Oral Hygienist is trained to instruct and motivate on effective oral hygiene care in order to prevent oral disease. He/she is skilled in cleaning and polishing teeth, taking X-rays and preventative procedures, including health promotion. An Oral Hygienist can work in private practice, public dental services and academic dentistry.
		Mathematics	4	
		Physical Sciences	4	
		English	4	
		Life Orientation	3	
		Additional Subject 1	4	
		Additional Subject 2	3	
		Total	26	

SCHOOL OF PATHOLOGY AND PRE-CLINICAL SCIENCES

Degree Programme		Admission Requirements		Possible Career Opportunities
Bachelor of Science: Majoring in:	3yrs	Life Sciences	4	Chemistry: The study of compositions, structure and the properties on matters and changes it undergoes. The chemically industry is South Africa is relatively large, absorbing large number of graduates into academic institutions as well as pharmaceuticals, mining, manufacturing, government and private laboratories Biochemistry: Teaching, research, quality control, sales production, development, agricultural/crop development, pharmaceuticals, water treatment, food industries, bio-safety and the environment as well as industries transforming raw materials using chemical and biochemical technology. Mathematics and Applied Mathematics: Teaching, research, engineering, information and communication technology, computer programming, system analysis and operational functioning. Statistics: Teaching, research, industry, consulting for financial institutions, census offices and market research organisations. Statistics attract relatively high salaries. There are possibilities of launching private consulting agencies. Computer Science: Is a fast growing industry with high competitive remuneration. Opportunities exist for programmer and systems analyst, system designers, database managers, operation managers, project managers and network specialists. Physiology: Academic opportunities exist in medical and science faculties for lecturing and research. Physiology is also in demand in pharmaceutical companies, biotechnology and various medical disciplines. Psychology: It has application to careers in broad spectrum of settings ranging from schools, clinics, churches, community service organisations, hospitals rehabilitation centres, universities, education departments, the HSRC, SANDF, Department of Labour, Correctional Services, Commerce, Industry and Private Practice Physics : Career opportunities include teaching, research, medical physics, nuclear physics, physical engineering and industry. Many fields: acoustics, astronomy, astrophysics, medical physics, geophysics, vacuum science, thin film technology. Many environments: education, engineering, climatology, environmental sciences, technicians, software designs. Biology: Nature conservation bodies, (national, provincial and private), education (primary to tertiary), government departments (agriculture, forestry, sea fisheries, water affairs and environmental affairs), medical and veterinary laboratories, private sector (industry), environmental impact assessments, pharmaceutical companies.
Chemistry	3yrs	Mathematics	4	
Mathematics and Applied Mathematics	3yrs			
Statistics	3yrs	Physical Sciences	4	
Computer Science	3yrs			
Physiology	3yrs	English	4	
Psychology	3yrs	Life Orientation	5	
Biology	3yrs			
Biochemistry	3yrs	Additional Two Subjects	6	
Physics	3yrs	Total	22 APS	
Extended Curriculum Programme (ECP)	4yrs	Total	20 APS	

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