

Responsibility Centre	Department	Areas of Expertise	Specific Requirements
Faculty of Built Environment	Architecture	Sustainable Architecture	Bachelor Science in Architecture Master in Architecture; PhD in Architecture (Sustainable Architecture)
	Building Surveying	Building Science & Performance	PhD or equivalent experience in Computational Fluid Dynamics Modelling/ Building Services Engineering/ Buildings/ Energy Systems/ Related Quantitative Field; It is desirable for the candidates to have a focus on sustainable Built Environment as well as Environmental Design or Energy Performance Studies; & ideally from multi-disciplinary perspectives.
	Estate Management	Property Development	Preferably registered valuer with the Board of Valuers, Appraisers, Estate Agents & Property Managers Malaysia (BOVEAP).
		Business Valuation	Preferably registered with BOVEAP)
	Quantity Surveying	Construction Law & Contract	Bachelor of Quantity Surveying (Accredited by Board of Quantity Surveyors Malaysia) & Master/ PhD (Construction Law/ Construction Contract or related areas)
		Project Management	Bachelor (Civil Engineering/ Mechanical & Electrical Engineering) & Master/ PhD (Project Management)
	Urban & Regional Planning	Urban Economics, Heritage Conservation/ Urban Design Environmental Planning, Regional Planning	
Faculty of Dentistry	Community Oral Health & Clinical Prevention	Jurisprudence & Professional Ethics/ Evidence Based Dentistry/ Epidemiology of Oral Health Conditions/ Health Financing	
	Oral & Craniofacial Sciences	Craniofacial Biology	BDS, MDS/ MClintDent/ PhD
	Oral & Maxillofacial Clinical Sciences	Oral Maxillofacial Radiology	BDS, MDS (with oral radiology component)
	Paediatric Dentistry & Orthodontics	Paediatric Dentistry	Master, MClintDent or Doctor in Paediatric Dentistry or equivalent; PhD with specialization in the areas of Paediatric Dentistry; Membership in Paediatric Dentistry by the royal colleges of UK or FRACDS in Paediatric Dentistry

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	Restorative Dentistry	Prosthodontics	BDS/ DDS/ MClInDent in Clinical Prosthodontic/ Restorative Dentistry/ MSc in Prosthodontic/ Restorative/ MSc Clinical Prosthodontic
		Operative Dentistry	BDS/ DDS/ MClInDent in Clinical Prosthodontic/ Restorative Dentistry/ MSc in Prosthodontics @ Restorative/ MSc Clinical Prosthodontic
		Endodontics	BDS/ MClInDent in Endodontic; DclInDent in Endodontic
		Periodontology	BDS/ MClInDent (Periodontology), MSc/ MSc (Clinical Periodontology), DclInDent in Periodontology
Faculty of Engineering	Biomedical Engineering	Bio-design in Biomedical Engineering/ Healthcare Engineering, Planning & Design/ Solid/ Continuum Mechanics/ Precision Moulding/ Software & Bio-robotics Engineering/ Nano Technology in Biomedical Engineering/ Engineering Analysis & FEA Modeling of the Human Body/ Drug Delivery/ Engineering Mechanics for Biomedical Engineering	PhD in related area
	Chemical Engineering	Mathematics & Simulation/ Process Control/ Transport Phenomenon (in Particular Momentum Transfer)/ Thermodynamics/ Particle Technology (in Particular Air Pollution & Fluidization)	
	Civil Engineering	Construction Management/ Soil/ Geotechnical Engineering/ Structural Engineering/ Survey/ Mathematical & Computer Modelling	PhD in the areas listed with some teaching experience
	Electrical Engineering	IC Design/ Embedded Systems/ Nanotechnology/ Optical Communication Systems/ Data Analytics/ Machine Learning/ Adaptive Control/ Robotics/ Electrical Machines & Drives/ Instrumentations & Process Control/ Power Electronics/ Renewable & Sustainable Energy/ Energy Conversion & Storage/ Electrical Utilization	PhD in related area, preferably with industrial &/ or teaching experiences
	Mechanical Engineering	Control Engineering	
Fluid Mechanics			PhD in related area with teaching experience in Fluid Mechanics
Computational & Optimization			PhD in related area with teaching experience in Numerical Methods & Computational Methods

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		Thermal Engineering	PhD in related area with teaching experience in Thermal Engineering and Heat Transfer; 5 years industrial working experience.
		Solid Mechanics	PhD in related area with teaching experience in Mechanics of Material.
		Manufacturing Planning and Control	PhD in related area with teaching experience in Manufacturing Management, Engineering Economics & Project Management.
Faculty of Law	-	Alternative Dispute Resolution/ Banking & Finance Law / English for Law/ Environment Law/ Human Rights Law/ Indigenous Law/ Islamic Law/ Law & Economics	
Faculty of Medicine	Anatomy	Clinical Anatomy	MBBS & PhD
	Anesthesiology	Vascular	Master in Anaesthesiology (MAnest) or FANZCA or equivalent, with relevant training in Vascular Anaesthesia.
		Paediatric	Master in Anaesthesiology (MAnest) or FANZCA or equivalent, with or relevant training in Paediatric Anaesthesia.
		Cardiothoracic	Master in Anaesthesiology (MAnest) or FANZCA or equivalent, with relevant training in Cardiothoracic Anaesthesia.
		Intensive Care	Master in Anaesthesiology (MAnest) or FANZCA or equivalent, with relevant training in Intensive care.
	Biomedical Imaging	Nuclear Medicine Physicist	PhD & relevant experience in Nuclear Medicine Physics.
		Cardiac & Thoracic Imaging Radiologist	MRad or FRCR & relevant experience in Cardiac & Thoracic Imaging
		MSK Imaging Radiologist	MRad or FRCR & relevant experience in MSK Imaging
		Neurointerventional Radiologist	MRad or FRCR & relevant experience in MSK Imaging
	Biomedical Science	Haematology & Blood Transfusion	PhD
	Clinical Oncology	Physicist	Master/ PhD (Physics)
		Oncologist	NSR
	Medical Microbiology	Clinical Immunology/ Clinical Bacteriology/ Clinical Virology/ HIV/ Clinical Mycology	MBBS/ MD/ Mpath/ MRCPPath
	Medicine	Neurology	Stroke: Lecturer in 3 rd year of Neurology subspecialty training.
			General Neurology: MMed/ MRCP & completed KKM gazettement

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		Nephrology	MBBS, Master in Internal Medicine (MMed)/ MRCP
		Endocrinology/ Diabetology	Consultant Endocrinologists: Completed subspecialty training in Endocrinology
			Physicians: MRCP/ MMed Internal Medicine or equivalent (who will undergo training in endocrinology & eventually become Consultant Endocrinologists)
			Biostatistician
		Haematology	Master in Internal Medicine (MMed)/ MRCP
		Geriatric Medicine	Neurophysiology (Basic degree, Master)
			Geriatrician (MRCP/ MD/ Phd) with expertise in Community Geriatrics; Specialist in Geriatric Medicine with commensurate qualifications, leadership and interpersonal skills
			Lecturers in Geriatric Medicine/ Trainee specialist in Geriatric Medicine or Career Medical Officers in Geriatric Medicine
		Cardiology	MBBS/ MRCP/ Phd With experience in Electrophysiology Lecturer in cardiology with MBBS/ MRCP to pursue training in - Valvular Intervention, Electrophysiology & Structural Heart Disease
		Dermatology	MRCP or Master of Internal Medicine (MMed)
		Infectious Diseases	MMed/ MRCP (General ID with an interest in Tropical Medicine, Travel Medicine & Epidemiology);
			MMed/ MRCP (General ID with an interest in HIV Medicine, STD/ GUM & Epidemiology);
			MMed/ MRCP (General ID with an interest in Infection Control, Antimicrobial Resistance & Surveillance, Epidemiology)

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		Respiratory	Respiratory & Critical Care Medicine – Trained or with attachment/ experience in Acute Respiratory & Critical Care Medicine/ Respiratory Physician/ Internal Medicine; General Respiratory – Respiratory Physician/ Internal Medicine
		Rheumatology	MRCP/ Masters
		Palliative Medicine	MBBS, MRCP, Master Request for a MO to train through Internal Medicine Specialization and subsequent Subspeciality Training in Palliative Medicine in anticipation of retirement of a member of staff in 5 years+
		Gastroenterology	MMed/ MRCP
	Molecular Medicine	Biochemistry or Clinical Biochemistry with specialization in Molecular Biology &/ or Bioinformatics	PhD in the related areas listed
	Nursing Science	Midwifery or Maternal & Child Health/ Public Health Nursing/ Mental Health Nursing/ Pediatric Nursing/ Orthopedic Nursing/ Ophthalmology Nursing/ Eye, Nose & Throat Nursing	PhD (Field of Nursing), related Master Degree, Bachelor in Nursing is a MUST ; Registered Nurse; Possess current Annual Practicing Certificate (APC) for nurses or Temporary Practicing Certificate (TPC) for foreigners; Possess post basic qualification: Midwifery or Maternal & Child Health/ Public Health Nursing/ Mental Health Nursing/ Pediatric Nursing/ Orthopedic Nursing/ Ophthalmology Nursing/ Eye, Nose & Throat Nursing; Has a minimum of five (5) years clinical working experience.
	Obstetrics & Gynaecology	Urogynecology	MRCOG/ CCT (Urogynae)
		Fetomaternal Medicine	MRCOG/ CCT (FMM)
	Ophthalmology	Vitreoretinal Surgery	FRCOphth (or equivalent)/ CCT; NSR registered; Fellowship in Vitreoretinal Surgery in Unit with Paediatric Vitreoretinal experience
		Paediatric/ Ophthalmology/ Glaucoma	MSOphth/ FRCOphth; NSR registered

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	Otorhinoaryngology (ENT)	Otorhinoaryngology & Head & Neck Surgery	Masters of Otorhinolaryngology & Head & Neck Surgery; or FRCS in Otolaryngology. Specialists passionate in research, teaching and all academic pursuits; Special interest in Vestibular Disorder/ Rehabilitation (including corresponding research)
	Orthopaedic Surgery	Paediatric Orthopaedic	MS (Ortho) or equivalent; Fellowship in Paediatric Orthopaedic Surgery preferred
Sports Orthopaedic		MS (Ortho) or equivalent	
Trauma Orthopaedic		MS (Ortho) or equivalent; Fellowship in Paediatric Orthopaedic Trauma Surgery preferred	
	Parasitology	Medical Parasitology	MBBS or Mpath
Immunology		PhD	
	Pathology	Chemical Pathology in Metabolic Medicine	MBBS/ equivalent; FRCPA or FRCPPath
Haematology - Molecular Haematology		MBBS/ equivalent; PhD; FRCPA or FRCPPath	
Anatomical Pathology - Respiratory Pathology - Gynaecologic Pathology		MBBS/ equivalent; FRCPA or FRCPPath	
	Paediatric	Neonatology Intensive Care Unit (NICU)/ Respiratory & Allergy/ Cardiology/ Haematology, Oncology & Bone Marrow Transplantation/ Community Paediatrics & Child Development/ Infectious Disease	MBBS or equivalent & MPAed or MMed (Paed) or MRCPCH
	Physiology	General Human Physiology	PhD in Physiology or any related fields
	Primary Care Medicine	Primary Care Medicine	MRCGP/ FRACGP/ MMed (Family Medicine)
	Psychological Medicine	Psychogeriatric/ Child Psychiatry	MBBS & MPM
Clinical Psychologist		Master Clinical Psychology	
	Rehabilitation Medicine	ICU Rehabilitation/ Cancer Rehabilitation	Master of Rehabilitation Medicine, Universiti Malaya American Board of Physical Medicine & Rehabilitation Fellow of the Australasian Faculty of Rehabilitation Medicine (RACP) Subspecialty training in Cancer/ ICU Rehabilitation PhD is an additional advantage
	Social & Preventive Medicine	Occupational & Environmental Health/ Health Management, Health Systems & Behavioral Sciences/ Global Health/ Public Health Diet & Nutrition/ Professional Epidemiology/ Healthcare Analytics & Modelling	Registered Public Health Medicine Specialist or PhD

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	Surgery	Upper Gastrointestinal / Bariatric Surgery/ Vascular Surgery / Plastic & Reconstructive Surgery/ Endocrine Surgery	Preferably at least 5 years' experience post-subspecialty training (e.g. MS + Fellowship in UGI + 5 years as UGI consultant); MD/PhD is an additional advantage.
Faculty of Pharmacy	Clinical Pharmacy & Pharmacy Practice	Pharmacoepidemiology/ Social Pharmacy/ Clinical Pharmacy	Bpharm & PhD
	Pharmaceutical Technology	Industrial Pharmacy/ Pharmaceuticals	
	Pharmaceutical Life Sciences	Clinical Pharmacology	
	Special Preparatory Program to Enter Japanese Universities	Japanese Language Studies	
Centre for Sports & Exercise Sciences	Sports Management	Sports Management/ Sports Marketing/ Sports Media/ Sports Law	
	Strength & Conditioning	Physical Conditioning Resistance Training/ Functional Training	At least 3 years' experience as a Strength and Conditioning Practitioner/ Fitness Instructo / Personal Trainer; Experience lecturing/ teaching; physical conditioning/ resistance training; Research experience in the area of strength & conditioning/ Exercise Science
	Science Exercise	Sports Psychology	
Centre for Research in Biotechnology for Agriculture	-	Agricultural Biosecurity	Experience in Biosecurity Policy, Legislation & Regulation
		Insect Biotechnology/ System Biology	
Institute of China Studies	-	China Studies pertaining to fields of Political, Social & Economic Development	
Institute of Ocean & Earth Sciences	-	Crop Mariculture, Ecophysiology & Multiomics Stress Response	
		Fish Taxonomy, Ichthyology, Fish Phylogenetics, Marine Fish Biodiversity	
Nanotechnology & Catalysis Research Centre	-	Biochemistry (DNA PCR)/ Functional Materials (Single Crystal Synthesis) / Nanomaterial Synthesis (Graphene/ CNT/ Hybrid Metal) / Organic Synthesis (Nitrogen heterocyclic)/ Reaction Chemical Engineering (Homogeneous/Heterogeneous Catalyst)	PhD with experience in the research areas.
Photonics Research Centre	-	Nanophotonics	Degree (Physics/ Engineering) PhD (in Nanophotonics)
		Optical Fiber Sensors	Degree (Physics/ Engineering) PhD (in Optical Fiber Sensors)

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		High Power Fiber Laser	Degree (Physics/ Engineering) PhD (in High Power Fiber Laser)
		Optical Waveguide Modeling	Degree (Physics/ Engineering) PhD (in Optical Waveguide Modelling)
		Quantum Communication	Degree (Physics/ Engineering) PhD (in Quantum Communication)
		Radio Frequency Over Optical Fiber	Degree (Physics/ Engineering) PhD (in Radio Frequency over Optical Fiber)
		Optical Network	Degree (Physics/ Engineering) PhD (in Optical Network)
		Microfiber	Degree (Physics/ Engineering) PhD (in Microfiber)
		Fiber Grating & Fiber Sensors	Degree (Physics/ Engineering) PhD (in Fiber Grating & Fiber Sensors)
		Optical Material	Degree (Physics/ Engineering) PhD (in Optical Material)
UM Power Energy Dedicated Advanced Centre	-	Smart Grid/ Motor & Drive (Transportation)/ Energy Resources Engineering/ Green Energy Computing/ Material Science & Engineering/ Power System Economy & Policy	PhD with minimum 2 years Post-Doctoral experience