Structures by Major

Summary Information

Year	Major	Major Description	Stage	Credits	Details
2017	NBS2	Biomedical Engineering Stream-Engineering Science (4-stage)	4	60.00	Engineering Science Stage 4 Biomedical Engineering Stream is a 60 Credit undergraduate year of study. Following successful completion of Stage 4, students will progress into Year 2 of their Master of Engineering (ME) Programme, and modules from Stage 4 will be mapped forward in place of Year 1 of the ME.

Option Modules - with CRNs

Module Semester	Module ID	Title	Credits	CRN	Seq Numb	CRN Semester	Inactive Module?
A)1OF: (PWE CORE Module) Students must select ONE of the following CORE MODULES relating to Professional Work Experience.							
Semester 2	EEEN40160	ME Biomed Prof Work Exp Short	10.00	15247	BQ1	Semester 2	
Year Long Module	EEEN40170	ME Biomed Prof. Work Exp. Long	30.00	15248	B11	Full Year	
B)3OF: (Semester 1 CORES) Students must select the following Core Modules (total of 15 credits) in Semester 1.							
Semester 1	MEEN40600	Medical Device Design	5.00	13913	VA1	Semester 1	
Semester 1	MEEN40620	Biomechanics	5.00	17264	VA1	Semester 1	
Semester 1	MEEN40630	Biomaterials	5.00	20252	VA1	Semester 1	
C)MIN0OF (CORE (If Not Taken Previously)) Students must take the following CORE Module (unless previously taken).							
Semester 1	ANAT20090	Med. Sciences for Biomed.Engin	5.00	42433	VA1	Semester 1	
D)MIN2OF (Semester 1 OPTIONS) Students must select a min of 2 Option Modules (total of 10 credits) in Semester 1. Students who have previously taken ANAT20090 must take 3 Option Modules to make up a total of 30 credits for Semester 1.							
Semester 1	COMP41670	Software Engineering (ME)	5.00	16932	VA1	Semester 1	
Semester 1	EEEN30110	Signals & Systems	5.00	10634	VA1	Semester 1	
Semester 1	EEEN30160	Biomedical Signals & Images	5.00	16295	VA1	Semester 1	
Semester 1	EEEN30210	Biomedical Imaging	5.00	42115	VA1	Semester 1	
Semester 1	EEEN40010	Control Theory	5.00	10628	VA1	Semester 1	
Semester 1	EEEN40030	Photonic Engineering	5.00	25021	VA1	Semester 1	
Semester 1	EEEN40050	Wireless Systems	5.00	10642	VA1	Semester 1	
Semester 1	EEEN40150	RF Electronics	5.00	13912	VA1	Semester 1	
Semester 1	EEEN40300	Entrepreneurship in Engineerin	5.00	16984	VA1	Semester 1	
Semester 1	EEEN40580	Optimisation Techniques	5.00	25023	VA1	Semester 1	
Semester 1	MEEN30030	Mech. Eng. Design II	5.00	42209	VA1	Semester 1	
Semester 1	MEEN40020	Mechanics of Fluids II	5.00	10621	VA1	Semester 1	
Semester 1	MEEN40030	Manufacturing Engineering II	5.00	10622	VA1	Semester 1	
Semester 1	MEEN40050	Computational Continuum Mech I	5.00	11466	VA1	Semester 1	
Semester 1	MEEN40060	Fracture Mechanics	5.00	10624	VA1	Semester 1	
Semester 1	MEEN40150	Computational Cont. Mech. II	5.00	18129	PA1	Semester 1	
Semester 1	NEUR30080	Membrane biology	5.00	11630	VA1	Semester 1	
Semester 1	PHYC40430	Nanomechanics	5.00	11167	VA1	Semester 1	
Semester 1	PHYS20040	Cell and Tissue Physiology	5.00	11357	VA1	Semester 1	
Semester 1	PHYS30010	Cardiovascular Physiology	5.00	10153	VA1	Semester 1	
Semester 1	STAT30240	Linear Models I	5.00	10379	VA1	Semester 1	
Semester 1	STAT40400	Monte Carlo Inference	5.00	12700	VA1	Semester 1	

Module Semester	Module ID	Title	Credits	CRN	Seq Numb	CRN Semester	Inactive Module?
E)3OF (Sem 2 CORES (Short PWE)) Students who are taking EEEN40160 (PWE Short) must select and complete 3 Recommended CORE Modules (total of 15 credits) in Semester 2. Any of these recommended modules may be substituted by a level 4 MEEN or level 4 EEEN Module from the list of Semester 2 Options in Panel F) below.							
Semester 2	CHEN40470	Cell Culture & Tissue Eng	5.00	15217	VQ1	Semester 2	
Semester 2	EEEN40070	Neural Engineering	5.00	10674	VQ1	Semester 2	
Semester 2	EEEN40350	Rehabilitation Engineering	5.00	20673	VQ1	Semester 2	
F)MIN1OF (Sem 2 OPTIONS (Short PWE)) Students who are taking EEEN40160 (PWE Short) must select and complete 1 Option Module (total of 5 credits) in Semester 2.							
Semester 1 & 2	MEEN40670	Technical Communication	5.00	15999	VA1	Semester 1	
Semester 1 & 2	MEEN40670	Technical Communication	5.00	14425	VQ1	Semester 2	
Semester 2	COMP40400	Bioinformatics	5.00	11537	VQ1	Semester 2	
Semester 2	EEEN30030	Electromagnetic Waves	5.00	10632	VQ1	Semester 2	
Semester 2	EEEN30050	Signal Processing	5.00	10910	VQ1	Semester 2	
Semester 2	EEEN30060	Communication Theory	5.00	10679	VQ1	Semester 2	
Semester 2	EEEN30120	Analogue Electronics	5.00	12650	VQ1	Semester 2	
Semester 2	EEEN40060	Digital Communications	5.00	11503	VQ1	Semester 2	
Semester 2	MEEN30010	Applied Dynamics II	5.00	10040	VQ1	Semester 2	
Semester 2	MEEN30020	Mechanics of Solids II	5.00	10677	VQ1	Semester 2	
Semester 2	MEEN40040	Materials Science&Eng III	5.00	10675	VQ1	Semester 2	
Semester 2	MEEN40070	Adv Materials Processing	5.00	15157	VQ1	Semester 2	
Semester 2	MEEN40180	Nanomaterials	5.00	11507	VQ1	Semester 2	
Semester 2	PHYS20020	Neurophysiology	5.00	10123	VQ1	Semester 2	
Semester 2	PHYS20030	Organ and Systems Physiology	5.00	10093	VQ1	Semester 2	
Semester 2	RDGY30440	Intro Image Analysis in Matlab	5.00	13614	VQ1	Semester 2	

Associated Programme(s)

Programme Code	Programme Description	Level	Major Code	Major Description	School Code	School Associated with the Major
BHENG004	Engineering Science	UG	NBS2	Biomedical Engineering Stream	S150	College of Engineering and Architecture Administration Office

Feedback

Did you find this report useful? Very Useful ○ Useful ○ Neutral ○ Not Useful ○ Not at all ○

Any feedback to share with us?

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