

Biomedical Engineering Technology September 2018 (and prior) Matrix

Level 1 (15 weeks)			Credits
BHSC 1101	Anatomy and Physiology 1 (BMET) course outline	4.0	
BMET 1100	Electronics Principles and Practice 1 course outline	9.0	
COMM 1178	Technical Communication 1 for Biomedical Engineering Technology course outline	3.0	
COMP 1120	Introduction to Computer Architecture & Configuration course outline	4.0	
MATH 1781	Technical Math for Biomedical Engineering course outline	7.0	
PHYS 1178	Physics for Biomedical Engineering Technology course outline	4.0	
Level 2 (20 weeks plus 1 week for BMET 0220)			Credits
BHSC 2201	Anatomy and Physiology 2 (BMET) course outline	4.0	
BMET 0220	Mechanical Skills Workshop for Biomedical Engineering Technology course outline	0.0	
BMET 2200	Electronics Principles and Practice 2 course outline	9.5	
BMET 2215	Digital Electronics course outline	6.5	
CHEM 1205	General and Organic Chemistry for Biomedical Engineering course outline	6.5	
COMM 2278	Technical Communication 2 for Biomedical Engineering Technology course outline	2.5	
ELEX 2860	Electronic Prototype Manufacturing course outline	4.0	
MATH 2782	Calculus for Biomedical Engineering course outline	6.5	
Level 3 (15 weeks)			Credits
BMET 3300	Electronics Principles and Practice 3 course outline	6.0	
BMET 3301	Biomedical Devices Technology 1 course outline	6.0	
BMET 3302	Medical Device Standards course outline	5.0	
BMET 3303	Biomedical Computer Networks and Data Communications course outline	5.0	

	CHEM 2305	Biochemistry/Instrumental Analysis course outline	5.0
	COMP 3152	Software Engineering course outline	3.0
Level 4 (15 weeks plus practicum)			Credits
	BMET 4401	Biomedical Devices Technology 2 course outline	7.0
	BMET 4402	Biomedical Engineering Technology Project course outline	3.0
	BMET 4403	Medical Imaging Systems course outline	5.0
	BMET 4415	Digital Systems and Microprocessors course outline	5.0
	BMET 4420	Practical Experience in Biomedical Engineering Technology course outline	7.0
	COMM 3478	Technical Communication 3 for Biomedical Engineering Technology course outline	1.0
	ELEX 4855	Electronic Image Displays course outline	4.0
	MATH 3782	Statistics for Biomedical Engineering course outline	2.0
	NURS 1182	Patient Care course outline	2.0
		Total Credits:	136.5