

**2019-2021 Projected Course Offerings**

Course	Credits	Elective / Required	Spring 2019	Summer 2019	Fall 2019	Spring 2020	Summer 2020	Fall 2020	Spring 2021	Summer 2021	Fall 2021
BMED 2210 Conservation Prin in BME	4-0-4	R	4	1	3	4	1	3	4	1	3
BMED 2250 Problems in BME	1-6-3	R	4	1	5	4	1	5	4	1	5
BMED 2310 Intro BME Design	1-6-3	R	5	1	5	5	1	5	5	1	5
BMED 2400 Intro Bioengineering Stats	3-0-3	R		1***	1		1***	1		1***	1
BMED 3100 Systems Physiology	3-0-3	R	3	1	2	3	1	2	3	1	2
BMED 3110 Quant Engr Phys Lab I	1-3-2	R	6	1	6	6	1	6	6	1	6
BMED 3310 Biotransport	2-3-3	R	3	1	2	3	1	2	3	1	2
BMED 3400 Intro to Biomechanics	4-0-4	R	3	1	2	3	1	2	3	1	2
BMED 3500 Sensors & Instrument	2-3-3	E									
BMED 3520 Biomed Sys & Modeling	2-3-3	R	3	1***	3	2	1***	3	3	1***	3
BMED 3600 Phys of Cell & Mol Sys	3-0-3	R	2	1***	3	2	1***	2	2	1***	3
BMED 3610 Quant Engr Phys Lab II	1-3-2	R	6	1	6	6	1	6	6	1	6
BMED 4477 Bio Networks & Genomics	2-3-3	E			X			X			
BMED 4500 Cell & Tissue Engr Lab	1-6-3	E	X			X			X		
BMED 4602 Capstone Design	1-6-3	R	5		4	5		4	5		4
BMED 4739 Medical Robotics	3-0-3	E	X			X			X		
BMED 4750 Diag Imaging Physics	3-0-3	E		X							
BMED 4751 Intro to Biomaterials	3-0-3	E	X		X	X		X	X		
BMED 4757 Biofluid Mechanics	3-0-3	E	X		X	X		X	X		X
BMED 4758 Biosolid Mechanics	3-0-3	E	X			X			X		
BMED 4783 Intro Medical Image Proc	3-0-3	E	X								
BMED 4803 Reg & Qual Issues Med Device Dev	3-0-3	E	X			X					
BMED 4803 Intro Neuroengineering	3-0-3	E	X			X			X		
BMED 4813 Systems Neuropath and Transl Eng	3-0-3	E			X			X			X
BMED 4813 BHI Biomed Health Info	3-0-3	E	X			X			X		
BMED 4843 HealthReach	1-6-3	E	X		X	X		X	X		X
BMED 48x3 Engineering Physiology	3-0-3	E	X						X		
BMED 48x3 Clin Observ Design Exp	1-6-3	E	X		X	X					

\*\*\* Course offered in Galway study abroad  
subject to change