

Projected Undergraduate Course Offerings

Course	Credits	Elective / Required	Crosslisting	# of Sections					
				Fall 2016	Spring 2017	Summer 2017	Fall 2017	Spring 2018	Summer 2018
BMED 2210 Conservation Prin in BME	4-0-4	R	NA	2	3	1	3	3	1
BMED 2250 Problems in BME	1-6-3	R	NA	5	4	1	5	4	1
BMED 2310 Intro BME Design	1-6-3	R	NA	5	5	1	5	5	1
BMED 2400 Intro Bioengineering Stats	3-0-3	R	NA	1		1**	1		1**
BMED 2802 Biomed Data Sci & Engr	2-0-2	E	NA	1					
BMED 3100 Systems Physiology	3-0-3	R	NA	2	3	1	3	3	1
BMED 3110 Quant Engr Phys Lab I	1-3-2	R	NA	6	6	4	6	6	1
BMED 3310 Biotransport	2-3-3	R	NA	2	3	1	2	3	1
BMED 3400 Intro to Biomechanics	4-0-4	R	NA	2	3	1	2	3	1
BMED 3500 Sensors & Instrument	2-3-3	E	NA		1			1	
BMED 3520 Biomed Sys & Modeling	2-3-3	R	NA	3	2	1**	3	2	1**
BMED 3600 Phys of Cell & Mol Sys	3-0-3	R	NA	3	2	2**	3	2	2**
BMED 3610 Quant Engr Phys Lab II	1-3-2	R	NA	6	6	1	6	6	1
BMED 4400 Neuroengineering Fund	2-6-4	E	NA						
BMED 4477 Bio Networks & Genomics	2-3-3	E	NA	1			1		
BMED 4500 Cell & Tissue Engr Lab	1-6-3	E	NA		1			1	
BMED 4602 Capstone Design	1-6-3	R	NA	4	5		4	5	
BMED 4603 Advanced Design	1-6-3	E	NA	1	1		1	1	
BMED 4740 Bio-Inspired Design	3-0-3	E	BIOL, ISYE, MSE & ME				1		
BMED 4750 Diag Imaging Physics	3-0-3	E	MP & NRE	1	1			1	
BMED 4751 Intro to Biomaterials	3-0-3	E	MSE	1	2		1	2	
BMED 4752 Intro Neuroscience	3-0-3	E	BIOL	1					
BMED 4757 Biofluid Mechanics	3-0-3	E	AE, CHBE & ME	1	1		1	1	
BMED 4758 Biosolid Mechanics	3-0-3	E	AE, CHBE & ME		1			1	
BMED 4765 Drug Design, Devel & Del	3-0-3	E	CHEM & CHBE		1			1	
BMED 4781 Biomed Instrumentation	3-0-3	E	CHBE, ECE & ME	1			1		
BMED 4782 Biosystems Analysis	3-0-3	E	CHBE, ECE & ME		1			1	
BMED 4783 Intro Medical Image Proc	3-0-3	E	ECE						
BMED 4784 Engr Electrophysiology	3-0-3	E	ECE	1			1		
BMED 4413 BHI Biomed Health Info	3-0-3	E	NA		1			1	
BMED 4413 NAN Nanoenr & Nanomed	3-0-3	E	NA		1			1	
BMED 48x3 Neurophysiology	3-0-3	E	NA		1				
BMED 48x3 HealthReach	1-6-3	E	NA	1	1		1	1	
BMED 48x3 Clin Observ Design Exp	1-6-3	E	NA		1			1	
BMED 48x3 Intro Signals, Sys & Circuits	3-0-3	R*	NA	1	1	1**	1	1	1**

* Substitutes for ECE 3710 + ECE 3741

**Includes 1 section in the BME Galway Summer Study Abroad Program

Note that the four depth elective courses offered in the BME Galway Summer Study Abroad Program will not be known until October 1 of the preceeding year