



Biomedical Engineering Track 2: Biomedical Instrumentation, Sensors, and Signal Processing

College of Engineering and Engineering Technology
Degree Path - Catalog 2019-2020

Semester 1			Semester 2			
Credits	Success Marker		Credits	Success Marker		
ENGL 103	3		ENGL 203	3		
MATH 229 ¹	4	¹ Placement Examination needed. • Students admitted to NIU in Fall 2017 or later must satisfy a Human Diversity requirement. Please talk to your advisor or refer to the NIU Undergraduate Catalog for more information.	MATH 230	4		
PHYS 253	4		PHYS 273	4		
UEET 101	1		BIOS 208 and BIOS 210	4		
CHEM 210 & CHEM 212	4					
Total hours	16		Total hours	15		
Notes/Comments:			Notes/Comments:			
Semester 3			Semester 4			
Credits	Success Marker		Credits	Success Marker		
MATH 232	4		BME 201	3		
CSCI 240	4		ISYE 335 or STAT 300	3		
ELE 210 and ELE 210U	4		ELE 315	3		
MATH 336	3		MEE 209 ³	4	³ May Substitute MEE 210 and MEE 211 for MEE 209	
			Gen Ed: Creativity & Critical Analysis ²	3		
Total hours	15		Total hours	16		
Notes/Comments:			Notes/Comments:			
Semester 5			Semester 6			
Credits	Success Marker		Credits	Success Marker		
COMS 100	3		Technical Elective ⁴	3 or 4	⁴ Choose at least 9 semester hours of pre-approved technical electives from the following: BME 435, BME 436, BME 437, BME 497, BME 498, BME 499, ELE 250/250U, ELE 330, ELE 356, ELE 360, ELE 370, ELE 380, ELE 430, ELE 437, ELE 438, and ELE 45.	
BME 320	4		BME 336	3		
BME 330	3		BME 421	4		
BIOS 311 or BIOS 357	4 or 5		BME 395	1		
Gen Ed: Society & Culture ²	3	² Your advisor must approve your general education courses	CHEM 310 and CHEM 311	4		
Total hours	17-18		Total hours	15-16		
Notes/Comments:			Notes/Comments:			
Semester 7			Semester 8			
Credits	Success Marker		Credits	Success Marker		
BME 420	4		BME 496	3	⁴ Choose at least 9 semester hours of pre-approved technical electives from the following: BME 435, BME 436, BME 437, BME 497, BME 498, BME 499, ELE 250/250U, ELE 330, ELE 356, ELE 360, ELE 370, ELE 380, ELE 430, ELE 437, ELE 438, and ELE 45.	
BME 425	3	⁴ Choose at least 9 semester hours of pre-approved technical electives from the following: BME 435, BME 436, BME 437, BME 497, BME 498, BME 499, ELE 250/250U, ELE 330, ELE 356, ELE 360, ELE 370, ELE 380, ELE 430, ELE 437, ELE 438, and ELE 45.	Technical Elective ⁴	3 or 4		
BME 495	3		Gen-Ed: Creativity & Critical Analysis ²	3		
Technical Elective ⁴	3 or 4		Gen Ed: Society + Culture ²	3		² Your advisor must approve your general education courses
Total hours	13 -14		Total hours	12 to 13		
Notes/Comments: Apply for graduation (2/1 for May, 6/15 for August,			Notes/Comments:			

Notes/Comments: This plan is an example of what a four year plan could look like for a typical student. Placement exam scores in math as well as the completion of coursework may change the plan. It should not be used in the place of regular academic advising appointments. All students are required to meet with their advisor each semester to discuss course scheduling. All requirements are subject to change by NIU.

