

## Biomedical Engineering Track 1: Biomechanics and Biomaterials

Northern Illinois University

College of Engineering and Engineering Technology

Degree Path - Catalog 2018-2019

Semester 1	Credits	Success Markers	Semester 2	Credits	Success Markers
ENGL 103	3		ENGL 203	3	
MATH 229 <sup>1</sup>	4	<sup>1</sup> Placement examination needed	MATH 230	4	
PHYS 253	4	<ul> <li>Students admitted to NIU in Fall 2017 or later must satisfy a</li> </ul>	PHYS 273	4	
UEET 101	1	Human Diversity requirement. Please talk to your advisor or refer	BIOS 208 & 210	4	
CHEM 210 & 212	4	to the NIU Undergraduate Catalog for more information.			
Total hours	16		Total hours	15	
Notes/Comments:			Notes/Comments:		
Semester 3	Credits	Success Markers	Semester 4	Credits	Success Markers
MATH 232	4		BME 201	3	
CSCI 240	4		MATH 336	3	
ELE 210	3		ELE 315	3	
ELE 210U	1		MEE 209 <sup>3</sup>	4	<sup>3</sup> May substitute MEE 210 and MEE 211 for MEE 209
ISYE 335 or STAT 350	3		Gen Ed: Creativity & Critical Analysis <sup>2</sup>	3	<sup>2</sup> Your advisor must approve
Total hours	15		Total hours	16	your general education courses
Notes/Comments:		Notes/Comments:			
Semester 5	Credits	Success Markers	Semester 6	Credits	Success Markers
Semester 5 COMS 100	Credits 3	Success Markers	Semester 6 CHEM 230 and CHEM 231	Credits 4	Success Markers
		Success Markers			
COMS 100	3	Success Markers	CHEM 230 and CHEM 231	4	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437,
COMS 100 BME 320	3 4	Success Markers	CHEM 230 and CHEM 231 BME 336	4 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499,
COMS 100 BME 320 BME 330	3 4 3	Success Markers	CHEM 230 and CHEM 231 BME 336 MEE 340	4 3 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499,
COMS 100 BME 320 BME 330	3 4 3	Success Markers	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup>	4 3 3 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427.
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357	3 4 3 4 or 5	Success Markers	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup>	4 3 3 3 3 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427.
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 Total hours	3 4 3 4 or 5	Success Markers Success Markers	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> Total hours	4 3 3 3 3 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427.
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 Total hours Notes/Comments:	3 4 3 4 or 5 <b>14-15</b>	Success Markers	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> <b>Notes/Comments:</b> 4	4 3 3 3 3 3 16	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses Success Markers <sup>4</sup> TECH Electives: BME 420, BME
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 Total hours Notes/Comments:	3 4 3 4 or 5 14-15	Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> Notes/Comments: 4 <b>Semester 8</b>	4 3 3 3 3 3 16 Credits	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses <b>Success Markers</b> <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 Total hours Notes/Comments: Semester 7 BME 435	3 4 3 4 or 5 14-15 Credits 3	Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497,	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> Notes/Comments: 4 <b>Semester 8</b> BME 496	4 3 3 3 3 3 16 Credits 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses <b>Success Markers</b> <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 <b>Total hours</b> <b>Notes/Comments:</b> <b>Semester 7</b> BME 435 BME 435	3 4 3 4 or 5 <b>14-15</b> <b>Credits</b> 3 3	Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> Notes/Comments: 4 <b>Semester 8</b> BME 496 Tech Elective <sup>4</sup>	4 3 3 3 3 3 16 Credits 3 3 or 4	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses <b>Success Markers</b> <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 <b>Total hours</b> <b>Notes/Comments:</b> <b>Semester 7</b> BME 435 BME 436 BME 495	3 4 3 4 or 5 <b>14-15</b> <b>Credits</b> 3 3 3 3	Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> <b>Notes/Comments:</b> 4 <b>Semester 8</b> BME 496 Tech Elective <sup>4</sup> Geen Ed-Creativity & Critical Analysis <sup>2</sup>	4 3 3 3 3 3 16 Credits 3 3 or 4 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427.
COMS 100 BME 320 BME 330 BIOS 311 or BIOS 357 <b>Total hours</b> <b>Notes/Comments:</b> <b>Semester 7</b> BME 435 BME 436 BME 495	3 4 3 4 or 5 <b>14-15</b> <b>Credits</b> 3 3 3 3	Success Markers <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and	CHEM 230 and CHEM 231 BME 336 MEE 340 Tech Elective <sup>4</sup> Gen Ed: Society & Culture <sup>2</sup> <b>Total hours</b> <b>Notes/Comments:</b> 4 <b>Semester 8</b> BME 496 Tech Elective <sup>4</sup> Geen Ed-Creativity & Critical Analysis <sup>2</sup>	4 3 3 3 3 3 16 Credits 3 3 or 4 3	<sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve your general education courses <b>Success Markers</b> <sup>4</sup> TECH Electives: BME 420, BME 421, BME 425, BME 437, BME 497, BME 498, BME 499, ELE 380, and MEE 427. <sup>2</sup> Your advisor must approve

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.