

Biomedical Engineering (track 1)

College of Engineering and Engineering Technology

Degree Path - Catalog 2017-2018

Semester 1	Credits	Success Markers	Semester 2	Credits	Success Markers
NGL 103	3	• 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.	ENGL 203	3	
IATH 229	4		MATH 230	4	
PHYS 253	4		PHYS 273	4	
JEET 101 or UEET 301	1		BIOS 208 & 210	4	
CHEM 210 & 212	4		Gen Ed: Creativity + Critical	3	
Total hours	16		Analvsis Total hours	18	
Notes/Comments:			Notes/Comments:		1
Semester 3	Credits	Success Markers	Semester 4	Credits	Success Markers
MATH 232	4		ELE 250 and ELE 250U	4	
CSCI 240	4		MATH 336	3	
ELE 210 and ELE 210U	4		COMS 100	3	
SYE 335 or STAT 350	3		PHYS 283	3	
			MEE 209	4	
Total hours	15		Total hours	17	
Notes/Comments:			Notes/Comments:		
Semester 5	Credits	Success Markers	Semester 6	Credits	Success Markers
	Credits 3	Success Markers	Semester 6 CHEM 230 and CHEM 231	Credits 4	TECH Electives: BIOS 21
ELE 315		Success Markers			• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP
ELE 315 ELE 330	3	Success Markers	CHEM 230 and CHEM 231	4	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical	3	Success Markers	CHEM 230 and CHEM 231 ELE 370	4	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis	3 4 3	Success Markers	CHEM 230 and CHEM 231 ELE 370 ELE 380	4 3 4	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357	3 4 3 3	Success Markers	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356	4 3 4 4	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357 Total hours	3 4 3 3 4-5	Success Markers	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340	4 3 4 4 3	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357 Fotal hours	3 4 3 3 4-5	Success Markers Success Markers	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours	4 3 4 4 3	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours).
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357 Fotal hours Notes/Comments: Semester 7	3 4 3 3 4-5 17-18	Success Markers • TECH Electives: BIOS 213,	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments:	4 3 4 4 3 18	TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours). Success Markers TECH Electives: BIOS 21
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357 Fotal hours Notes/Comments: Semester 7 ELE 420	3 4 3 3 4-5 17-18	Success Markers • TECH Electives: BIOS 213, BIOS 359, ELE 421, ELE 499, ISYE 410, KNPE 313, KNPE	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments: Semester 8	4 3 4 4 3 3 18 Credits	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours). • TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analysis BIOS 311 or BIOS 357 Fotal hours Notes/Comments: ELE 420 ELE 425	3 4 3 4-5 17-18 Credits 4	Success Markers • TECH Electives: BIOS 213, BIOS 359, ELE 421, ELE 499,	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments: Semester 8 CHEM 370	4 3 4 4 3 3 18 Credits 3	• TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours). • TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analysis BIOS 311 or BIOS 357 Fotal hours Notes/Comments: ELE 420 ELE 420 ELE 425 ELE 491	3 4 3 4-5 17-18 Credits 4 3	Success Markers • TECH Electives: BIOS 213, BIOS 359, ELE 421, ELE 499, ISYE 410, KNPE 313, KNPE 314, PHYS 335, and PHYS 434 (6-8 hours). • Apply for graduation (2/1 for	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments: Semester 8 CHEM 370 ELE 429	4 3 4 4 3 3 18 Credits 3 3 3	TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours). TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analysis BIOS 311 or BIOS 357 Fotal hours Notes/Comments: ELE 420 ELE 425 ELE 491 SYE 220	3 4 3 3 4-5 17-18	Success Markers • TECH Electives: BIOS 213, BIOS 359, ELE 421, ELE 499, ISYE 410, KNPE 313, KNPE 314, PHYS 335, and PHYS 434 (6-8 hours).	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments: Semester 8 CHEM 370 ELE 429 Technical Elective	4 3 4 4 3 3 18 Credits 3 3 3 3 4	TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS 434 (6-8 hours). TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNF 314, PHYS 335, and PHYS
ELE 315 ELE 330 ELE 335 Gen Ed: Creativity + Critical Analvsis BIOS 311 or BIOS 357 Total hours Notes/Comments:	3 4 3 4-5 17-18	Success Markers • TECH Electives: BIOS 213, BIOS 359, ELE 421, ELE 499, ISYE 410, KNPE 313, KNPE 314, PHYS 335, and PHYS 434 (6-8 hours). • Apply for graduation (2/1 for May, 6/15 for August, or 9/1	CHEM 230 and CHEM 231 ELE 370 ELE 380 ELE 356 MEE 340 Total hours Notes/Comments: CHEM 370 ELE 429 Technical Elective Gen Ed: Society + Culture	4 3 4 4 3 3 18 18 Credits 3 3 3 4 3 4 3 3	TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP 314, PHYS 335, and PHYS 434 (6-8 hours). TECH Electives: BIOS 21 BIOS 359, ELE 421, ELE 4 ISYE 410, KNPE 313, KNP 314, PHYS 335, and PHYS

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.