

Drexel University - College of Engineering
BS Engineering Technology
Biomedical Engineering Technology (BET)
FRESHMAN

Total: 187.5 Credits

FALL		
ENGL 101	Composition and Rhetoric I	3
CHEM 111	Gen. Chemistry I	4
MATH 110	Precalculus	3
EET 102	Intro to ET	3
UNIV 101	University Seminar	1
CHEM 113	Chem. Lab. I	1.5
PHYS 103	Physics I	4
TOTAL		19.5

WINTER		
ENGL 102	Composition and Rhetoric II	3
MATH 121	Calculus I	4
PHYS 104	Physics II	4.0
CIVC 101	Civic Engagement	1
MET 100	Graphical Communication	3
TOTAL		15

SPRING		
ENGL 103	Composition and Rhetoric III	3
MET 101	Manufacturing Materials	4
EET 201	Circuit Analysis I	4
EET 207	Intro to Lab and Process Control	3
MATH 122	Calculus II	4
COOP 101		0
TOTAL		18

SUMMER		
VACATION		0

SOPHOMORE

FALL		
EET 202	Circuit Analysis II	4
EET 205	Digital Electronics	4
MET 209	Fluid Power	3
STAT 201	Intro to Business Statistics	4
COM 111	Principles of Communication	3
TOTAL		18

WINTER		
EET 333	NDE of Materials	4
EET 204	Intro to Nanotechnology	3
MHT 205	Thermodynamics I	3
MET 205	Robotics and Mechatronics	3
HIST 285	Technology in Hist Perspectiv	3
TOTAL		16

CO-OP		
SPRING SUMMER		
TOTAL		0

CO-OP		
SPRING SUMMER		
TOTAL		0

PREJUNIOR

FALL		
EET 311	Modeling of Eng. Sys.	4
EET 319	Program. Logic Cont.	4
MET 213	Applied Mechanics	4
ECON 201	Principles of Microeconomics	4
COM 230	Techniques of Speaking	3
TOTAL		19

WINTER		
EET 401	Microcontroller	3
MET 204	Quality Control	3
MHT 226	Measurement Techniques and	3
INDE 240	Technology Economics	3
PHIL 315	Engineering Ethics	3
TOTAL		15

CO-OP		
SPRING SUMMER		
TOTAL		0

CO-OP		
SPRING SUMMER		
TOTAL		0

JUNIOR

FALL		
BIO 107	Genetics and Physiology	3
BIO 108	Genetics and Physiology	1
BMES 302	Biomeasurements Lab	2
BET 301	Healthcare Technology	3
BET 302	Biomedical Electronics	4
	Free Elective	3
TOTAL		16

WINTER		
INDE 370	Industrial Project Manag.	3
BMES 391	Biomed Instrument I	3
BMES 488	Med Device Development	3
BET 303	Medical Imaging Systems	3
BET 305	Clinical lab equipment	3
TOTAL		15

CO-OP		
SPRING SUMMER		
TOTAL		0

Technical Electives		
Any 2 not required courses from MHT, MET, EET, BET, INDE		6
OR		
BMES 336	Biomedical Informatics II	3
BMES 338	Biomed Ethics and Law	3
BMES 340	Healthcare Admin	3
See Advisor		

SENIOR

FALL		
MET 421	Senior Design Project I	3
BMES 335	Biomedical Informatics I	3
	Free Elective	4
	Liberal Studies Electives	3

WINTER		
MET 422	Senior Design Project II	3
	Technical Elective	3
	Liberal Studies Electives	3
	Free Elective	3
TOTAL		12

SPRING		
MET 423	Senior Design Project III	3
	Technical Elective	3
	Free Elective	3
	Liberal Studies Electives	3
TOTAL		12

Writing Intensive Courses		
EET 333	NDT (WI)	4
INDE 240	Technol Econ (WI)	3
MET 421	Senior Design Project I (WI)	3
MET 423	Senior Design Project III (WI)	3