

**West Chester University**  
**B.S. Biomedical Engineering Program**  
**Sample Curriculum**

First Year	Fall			Spring		
	Course #	Title	Credits	Course #	Title	Credits
	MAT 161 <sup>2</sup>	Calculus I	4	MAT 162	Calculus II	4
	CHE 103	Gen Chem I	3	CHE 104	Gen Chem II	3
	BME 110	Intro BME	3	PHY 170	Physics I	4
	WRT 120 or WRT 123 <sup>1</sup>	Effective Writing I or w/ Supp Workshop	3 - 4	CRL 103	Chem I Lab	1
	Gen Ed	FYE	4	BME 120	Intro CAE	3
<b>Total</b>	<b>17 - 18</b>			<b>15</b>		

Second Year	MAT 261	Calculus III	4	MAT 315	Diff Eq & Lin Alg	3
	BIO 110	Gen Biology	3	BIO 265	Hum A&P	4
	PHY 180	Physics II	4	CHE 230	Intro Organic Chem	3
	BME 220	Statics	3	WRT 2xx	Effective Writing II	3
	CRL 104	Chem II Lab	1	BME 230	Dynamics	3
<b>Total</b>	<b>15</b>			<b>16</b>		

Third Year	BME 310	Engr Thermo	3	BME 325	BME Lab II	2
	BME 315	BME Lab I	2	BME 345	Biotransport Phenomena	4
	MAT 125	Intro Statis & Prob	3	BME 355	Bioinstrumentation	3
	BME 335	Biomaterials	3	BME 365	Biomechanics	3
	PHI 180	Intro Ethics	3	Gen Ed	Humanities	3
	ECO 112	Economics II	3			
<b>Total</b>	<b>17</b>			<b>15</b>		

Fourth Year	BME 410	Sen Design I	3	BME 420	Sen Design II	1
	BME XXX	Tech Elect I	3	BME XXX	Tech Elect II	3
	BME 401	Sen Seminar I	1	BME XXX	Tech Elect III	3
	BME 450	Regulatory and GMP	3	BME 402	Sen Seminar II	1
	Gen Ed	Art	3	Gen Ed	Diverse Comm	3
	Gen Ed	Interdisciplinary	3	Gen Ed	Behav & Soc	3
<b>Total</b>	<b>16</b>			<b>14</b>		
<b>Total</b>						<b>125 - 126</b>

<sup>1</sup>Enrollment in WRT 120 (3 credits) or WRT 123 (4 credits) is determined by the results of WRITE SURVEY.  
<sup>2</sup>Remedial Math (i.e. MAT Q20 and/or MAT Q30) or MAT 131 are required prerequisites for MAT 161, if the score earned on the Math Placement Exam (MPE) is below "5." Students transferring in the equivalent of WRT 120 are exempt from taking the WRITE SURVEY. Students transferring in the equivalent of MAT 131 (and beyond) are exempt from completing the MPE. The need for WRT 123, MAT Q20, MAT Q30, and MAT 131 increase the total credits requirement beyond 125. Please consult with the director of or an advisor in the program for course recommendations and planning.