

**Biomedical 5-Year Curriculum**

Year	Fall Semester	Units	Spring Semester	Units
1st	MATH 30 Calculus I P	3	MATH 31 Calculus II	4
	GE (A1) Oral Comm.	3	CHEM 1A General Chem P	5
	ENGL 1A Composition P	3	ENGL 1B Composition	3
	ENGR 10 Intro Engr	3		
	<b>Semester Total</b>	<b>12</b>	<b>Semester Total</b>	<b>12</b>
2nd				
	MATH 32 Calculus III	3	MATH 133A Ord. Dif. Eqn	3
	CHEM 1B General Chem	5	Biol 1A Foundations of Biodiversity	5
	PHYS 50 Gen. Physics. P	4	Phys 51 Electricity and Magnetism	4
	<b>Semester Total</b>	<b>12</b>	<b>Semester Total</b>	<b>12</b>
3rd				
	CHEM 112A Organic Chemistry	3	Chem 113A Organic Chemistry Laboratory	2
	MatE 25 Introduction to Materials	3	EE 98 Introduction to Circuit Analysis	3
	Biol 1B Foundations of Cellular and Systems Biology	5	ENGR 100W Engr Reports WST	3
			ME 20 Design and Graphics	2
			CE 99 Statics	2
	<b>Semester Total</b>	<b>11</b>	<b>Semester Total</b>	<b>12</b>
4th				
	Chem 112B Organic Chemistry	3	Biol/BME 177 Physiology for Engineers	3
	AMS 1A American Studies	6	BME 117 Biotransport Phenomena	3
	BME 115 Foundations of Biomedical Engineering	4	AMS 1B American Studies	6
			BME 174 Regulatory, Design and Quality Requirements	3
	<b>Semester Total</b>	<b>13</b>	<b>Semester Total</b>	<b>15</b>
5th				
	BME 198A Senior Project I 100W	2	BME 198B Senior Project II	2
	Engr 195A	1	Engr 195B	1
	Biomedical Engineering Elective	3	Biomedical Engineering Elective	3
	Biomedical Engineering Elective	3	BME 173 Clinical Trials in Bioengineering	3
	ChE 162 Engineering Statistics and Analysis	3		
	<b>Semester Total</b>	<b>12</b>	<b>Semester Total</b>	<b>9</b>

**TOTAL 120**