

## BME UNDERGRADUATE TRACK: Imaging/Optics sample curriculum(190 units)

<b>FRESHMAN</b>		units		units		units
<b>Fall</b>			<b>Winter</b>		<b>Spring</b>	
MAT 21A: Calculus	4	MAT 21B: Calculus	4	MAT 21C: Calculus	4	
CHE 2A: General Chemistry	5	CHE 2B: General Chemistry (5)	5	CHE 2C: General Chemistry	5	
BIM 1: Introduction to BME	1	ENG 6: Computer Problem Solving	4	PHY 9A: Classical Physics	5	
UWP 1 or ENL 3: English Literature	4	CMN 1: Intro to Public Speaking	4	GE elective	4	
<b>min units</b>	<b>14</b>		<b>17</b>		<b>18</b>	
<b>SOPHOMORE</b>						
<b>Fall</b>			<b>Winter</b>		<b>Spring</b>	
MAT 21D: Vector Analysis	4	MAT 22A: Linear Algebra	3	MAT 22B: Differential Equations	3	
CHE 8A: Organic Chemistry	2	CHE 8B: Organic Chemistry	4	ENG 17: Circuits	4	
PHY 9B: Classical Physics	5	PHY 9C: Classical Physics	5	SE: PHY 9D: Modern Physics	4	
GE elective	4	BIS 2A: Life on Earth	4	BIM 20: Fundamentals of Bioengineering	4	
<b>min units</b>	<b>15</b>		<b>16</b>		<b>15</b>	
<b>JUNIOR YEAR</b>						
<b>Fall</b>			<b>Winter</b>		<b>Spring</b>	
BIM 105: Stats & Prob for BME	4	BIM 106: Biotransport	4	BIM108: Sig and Sys	4	
NPB 101: Systemic Physiology	5	BIM 107: Math Methods	4	BIM 109: Biomaterials	4	
EEC 100: Circuits II	5	ENG105: Thermo	4	EE: BIM 142: Intro Imaging	4	
		EE: EEC 130A: Intro Electromag	4	EE: EEC 130B: Intro Electromag	4	
<b>min units</b>	<b>14</b>		<b>16</b>		<b>16</b>	
<b>SENIOR YEAR</b>						
<b>Fall</b>			<b>Winter</b>		<b>Spring</b>	
ENG 105: Thermo	4	BIM 110A: Capstone Design	2	BIM 110B: Capstone Design	2	
EE: EAD 108A Optics	4	BIM 111: Biomedical Instrum. Lab	6	ENG 190: Prof. Respons. Engrs.	3	
SE: 161A Biomolecular Eng	4	EE: EAD 108B: Optics	4	EE: EAD 172: Opt Methods for Bio Res	4	
GE Elective	4	GE elective	4	GE Elective	4	
				GE Elective	4	
<b>min units</b>	<b>16</b>		<b>16</b>		<b>17</b>	