

**B.S.B.E. Sample Curriculum**  
**2017-2018 Entering Cohort**

**Fall 1**

MATH 1500	Calculus I	5
CHEM 1320	General Chemistry I	4
ENGINR 1100	Engineering Design Graphics	2
ENGLSH 1000	Exposition	3
ENGINR 1000	Engineering Seminar (optional)	1
		<b>15</b>

**Fall 2**

BIOL_EN 2080	Programming for Engineers	3
MATH 2300	Calculus III	3
PHYSCS 2760	University Physics II	5
ENGINR 1200	Statics	3
CHEM 2100	Organic Chemistry I	3
		<b>17</b>

**Fall 3**

BIO_SC	Elective	3
ENGINR 2100	Circuit Theory (recommended)	3
	Fluid Mechanics (from approved list)	3
	Statistics (from approved list)	3
H/FA	Elective	3
		<b>15</b>

**Fall 4**

BIOL_EN 4980	Senior Design	3
	Technical Elective	3
	Technical Elective	3
H/FA	Elective	3
BS/SS	Elective (American Government or History)	3
		<b>15</b>

**Spring 1**

MATH 1700	Calculus II	5
PHYSCS 2750	University Physics I	5
BIO_SC 1500	Introduction to Biological Systems	5
ENGINR 1110	Engineering Graphics Design II	1
		<b>16</b>

**Spring 2**

BIOL_EN 2000	Professional Development	2
MATH 4100	Differential Equations	3
BIOL_EN 2180	Analysis of Bioprocesses	3
ENGINR 2200	Strengths of Materials	3
ENGINR 2300	Thermodynamics	3
BIO_SC	Elective	3
		<b>17</b>

**Spring 3**

H/FA	Elective	3
BIOL_EN 4380	Electronic Instrumentation	4
BIOL_EN 3180	Heat & Mass Transfer	3
BIOL_EN	Technical Elective	3
ECONOM 1014	BS / SS Elective	3
		<b>16</b>

**Spring 4**

	Technical Elective	3
	Technical Elective	3
	Technical Elective	3
	Technical Elective	3
BS/SS	Elective	3
		<b>15</b>