



## ENGINEERING PHYSICS (EVEN YEAR)

### FRESHMAN – FALL SEMESTER

KIN 1162	Foundations of Physical Fitness/Wellness	2
PHY 2215	University Physics I	5
MAT 1195	Calculus I	5
ENG 1113	English Composition I	3
UNI 1111	University Seminar	1
<i>Total hours</i>		<i>16</i>

### FRESHMAN – SPRING SEMESTER

MAT 2255	Calculus II	5
PHY 2225	University Physics II	5
CIS 1033	Foundations of Computer Science	3
ENG 2213	English Composition II	3
UNI 1121	Introduction to Critical Thinking	1
<i>Total hours</i>		<i>17</i>

### SOPHOMORE – FALL SEMESTER

CHE 1115	General Chemistry I	5
PHY 2314	Introduction to Engineering	4
MAT 2263	Calculus III	3
SPF 2012	Introduction to Spiritual Formation	2
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		<i>17</i>

### SOPHOMORE – SPRING SEMESTER

CHE 1125	General Chemistry II	5
PHY 3233	Statics	3
PHY 3231	Statics Laboratory	1
PHY 3263	Mathematics for Science & Engineering	3
BIO 1004	Principles of Biology	4
<i>Total hours</i>		<i>16</i>

### JUNIOR – FALL SEMESTER

PHY 3323	Optics	3
PHY 3321	Optics Laboratory	1
	Upper-Level Physics Elective	3
MAT 4433	Numerical Methods	3
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		<i>16</i>

### JUNIOR – SPRING SEMESTER

PHY 4413	Electricity & Magnetism Theory	3
PHY 4411	Electricity & Magnetism Laboratory	1
PHY 3464	Analog & Digital Electronics	4
CIS 1144	Computer Science I	4
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2 or 3
<i>Total hours</i>		<i>17-18</i>

### SENIOR – FALL SEMESTER

PHY 4233	Dynamics	3
	Upper-Level Physics Elective	3
MAT 3323	Linear Algebra	3
MAT 3343	Mathematical Statistics	3
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2 or 3
<i>Total hours</i>		<i>17-18</i>

### SENIOR – SPRING SEMESTER

PHY 3363	Modern Physics	3
PHY 3361	Modern Physics Laboratory	1
SCF 3432	Physics Through the Eyes of Faith	2
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2 or 3
	General Elective or missed	
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		<i>14-15</i>

*THIS IS A PROPOSED GUIDELINE.* Please check the catalog and see your advisor for your final degree requirements.

Southwest Baptist University reserves the right to make changes to degree plans without advanced notice or obligation.

The student is responsible for understanding and completing all general education, degree, departmental and graduation requirements.