



## PHYSICS AND CHEMISTRY SAMPLE FOUR-YEAR PLAN WITH ODD-YEAR ENTRY

### FRESHMAN – FALL SEMESTER

MAT 1195	Calculus I	5
CHE 1115	General Chemistry I	5
	Gen-Ed/Grad Elective	2
ENG 1113	English Composition I	3
UNI 1111	University Seminar	1
<i>Total hours</i>		16

### FRESHMAN – SPRING SEMESTER

CHE 1125	General Chemistry II	5
MAT 2255	Calculus II	5
ENG 2213	English Composition II	3
UNI 1121	Introduction to Critical Thinking	1
CIS 1033	Foundations of Computer Science	3
<i>Total hours</i>		17

### SOPHOMORE – FALL SEMESTER

PHY 2215	University Physics I	5
MAT 2263	Calculus III	3
CHE 3304	Organic Chemistry I	4
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		16-18

### SOPHOMORE – SPRING SEMESTER

PHY 2225	University Physics II	5
MAT 3363	Differential Equations	3
CHE 3314	Organic Chemistry II	4
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		16-18

### JUNIOR – FALL SEMESTER

CIS 1144	Computer Science I	4
PHS 2314	Astronomy	4
CHE 4413	Advanced Inorganic Chemistry	3
CHE 4002	Intrepretive Spectroscopy <b>or</b>	
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		15-17

### JUNIOR – SPRING SEMESTER

PHY 3233	Mechanics	3
CHE 3345	Analytical Chemistry	5
SCF 3412	Chemistry Through the Eyes of Faith	2
CHE 3371	Seminar in Chemistry I	1
BIO 1004	Principles of Biology	4
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		17-18

### SENIOR – FALL SEMESTER

PHY 3363	Modern Physics	3
CHE 3364	Biochemistry <b>or</b>	
CHE 3002	Environmental Chemistry	4 or 2
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
	General Elective or missed	
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		14-17

### SENIOR – SPRING SEMESTER

CHE 3323	Physical Chemistry	3
PHY 4413	Electricity & Magnetism Theory	3
SCF 3432	Physics Through the Eyes of Faith	3
CHE 4471	Seminar in Chemistry II	1
	Gen-Ed/Grad Elective	2 or 3
	General Elective or missed	
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		15-16

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.