



## PHYSICS/MATHEMATICS SAMPLE FOUR-YEAR PLAN FOR 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

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

### SOPHOMORE – FALL SEMESTER

MAT 2263	Calculus III	3
PHY 2215	University Physics I	5
MAT 3343	Mathematical Statistics	3
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		15-17

### SOPHOMORE – SPRING SEMESTER

MAT 3363	Differential Equations	3
PHY 2225	University Physics II	5
MAT 3313	Abstract Algebra	3
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		15-17

### JUNIOR – FALL SEMESTER

CIS 1144	Computer Science I	4
PHS 2314	Astronomy	4
MAT 3332	Symbolic Logic and Set Theory	2
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		14-16

### JUNIOR – SPRING SEMESTER

PHY 3233	Mechanics	3
MAT 3313	Abstract Algebra	3
	Math Elective	3
BIO 1004	Principles of Biology	4
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		15-16

### SENIOR – FALL SEMESTER

MAT 4433	Numerical Methods	3
PHY 3363	Modern Physics	3
SCF 3422	Mathematics Through the Eyes of Faith	2
MAT 4663	Advanced Calculus	3
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	2-3
<i>Total hours</i>		15-17

### SENIOR – SPRING SEMESTER

PHY 4413	Electricity & Magnetism Theory	3
CHE 3323	Physical Chemistry	3
SCF 3432	Physics Through the Eyes of Faith	3
	Math Elective	3
	Gen-Ed/Grad Elective	2 or 3
	General Elective or missed	
	Gen-Ed/Grad Elective	3
<i>Total hours</i>		14-16

*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.