Southwest Baptist UNIVERSITY

PHYSICS/MATHEMATICS SAMPLE FOUR-YEAR PLAN FOR EVEN-YEAR ENTRY

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
Total hours	.... *16*	

FRESHMAN – SPRING SEMESTER

PHY 2225	University Physics II	5
MAT 2255	Calculus II	5
MAT 3332	Symbolic Logic and Set Theory	2
ENG 2213	English Composition II	3
UNI 1121	Critical Thinking	1
Total hours	.... *16*	

SOPHOMORE – FALL SEMESTER

CHE 1115	General Chemistry I	5
MAT 2263	Calculus III	3
CIS 1033	Foundations of Computer Science	3
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2-3
Total hours	....*16-17*	

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
MAT 3313	Abstract Algebra	3
	Gen-Ed/Grad Elective	2-3
Total hours	....*17-18*	

JUNIOR – FALL SEMESTER

	Physics Elective	3
MAT 4433	Numerical Methods	3
SCF 3422	Mathematics Through the Eyes of Faith	2
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2-3
Total hours	....*16-17*	

JUNIOR – SPRING SEMESTER

PHY 4413	Electricity & Magnetism Theory	3
PHY 4411	Electricity & Magnetism Laboratory	1
CIS 1144	Computer Science I	4
	Math Elective	2-3
	Gen-Ed/Grad Elective	3
	Gen-Ed/Grad Elective	2-3
Total hours	....*15-17*	

SENIOR – FALL SEMESTER

	Physics Elective	3-4
MAT 3323	Linear Algebra	3
MAT 3343	Mathematical Statistics	3
MAT 4663	Advanced Calculus	3
	Gen-Ed/Grad Elective	2-3
Total hours	.... *14-16*	

SENIOR – SPRING SEMESTER

PHY 3363	Modern Physics	3
PHY 3361	Modern Physics Laboratory	1
SCF 3432	Physics Through the Eyes of Faith	2
	Math Elective	2-3
BIO 1004	Principles of Biology	4
	Gen-Ed/Grad Elective	2-3
	Gen-Ed/Grad Elective	3
Total hours	.... *14-16*	