



Southwest Baptist UNIVERSITY

BACHELOR OF SCIENCE IN PHYSICS (3-2 PRE-ENGINEERING)

FRESHMAN - FALL SEMESTER

ENG 1113	Communication: English Composition I	3
MAT 1195	Reasoning: Calculus I	5
PHY 2214/2211	Inquiry: University Physics I & Lab	5
UNI 1111	Opportunities: University Seminar	1
DISCOVER	Communication: (Communication Options)	3
Total Credits	.....	17

FRESHMAN - SPRING SEMESTER

UNI 1121	Reasoning: Introduction to Critical Thinking	1
DISCOVER	Communication: (Composition Options)	3
DISCOVER	Society: (Social Studies Options)	3
MAT 2255	Calculus II	5
PHY 2224/2221	University Physics II & Lab	5
Total Credits	.....	17

SOPHOMORE - FALL SEMESTER

BIB 1013	Values: Old Testament History	3
CHE 1113/1111	General Chemistry I & Lab	4
MAT 2263	Calculus III	3
MAT 3323	Linear Algebra	3
PHY 4233	Dynamics*	4
Total Credits	.....	17

SOPHOMORE - SPRING SEMESTER

BIB 1023	Values: New Testament History	3
DISCOVER	Society: (Social Studies Options)	3
CHE 1123/1121	General Chemistry II & Lab	4
MAT 3363	Differential Equations	3
PHY 3263	Mathematics for Science and Engineering*	3
Total Credits	.....	16

JUNIOR - FALL SEMESTER

DISCOVER	Discipline: (Discipline Options)	3
DISCOVER	Values: (Cultural Awareness Options)	2
DISCOVER	Values: (Spiritual Formation Options)	2
CHE 3323	Physical Chemistry	3
PHY 2314	Introduction to Engineering	4
SCF 3402	Science through the Eyes of Faith	2
Total Credits	.....	16

JUNIOR - SPRING SEMESTER

DISCOVER	Enrichment: (Enrichment Options)	3
CIS 1114	Computer Science I	4
PHY 3233/3231	Statics & Lab	4
PHY 4414/4411	Electricity and Magnetism & Lab	5
Total Credits	.....	16

DISCOVER Core Curriculum

Student Selection: Open Choice, Second Major Courses, or Minor Courses

*Recommended: Pre-Engineering Recommendation

Total Credits to Graduate: 99

Updated Spring 2024

NOTE: Students must complete two years at Missouri University of Science and Technology (or similar engineering program) for this degree to be awarded.