BLUFFTON UNIVERSITY

PRE-ENGINEERING MAJOR
(Odd year, Pre-calculus)
Four Year Plan

This is a suggested program guide. It is not to be interpreted as a contract. Changes may occur. Please see your program advisor before you register for courses. updated 3/19

YEAR	FALL			SPRING		
First Year	BENV100	Becoming a Scholar	3	Writing Well Competency		3
	CEM 121	**General Inorganic Chemistry 1**	**5**	**CEM 122**	**General Inorganic Chemistry 2**	**5**
	CPS 108	**Computer Programming**	**3**	**PHY 150**	**Engineering Seminar**	**1**
	MAT 114	Pre-calculus	4	**MAT 135**	**Calculus I**	**5**
				Living Well Competency		2-3
	Total		15	Total		16-17
Second Year	Reading the Bible Competency		3	BENV200	Learning in Community	5
	Understanding Self and Society Competency		3	**PHY 212**	**Physics for Science/Engineering 2**	**5**
	Electives		4	**MAT 136**	**Calculus 2**	**5**
	PHY 211	**Physics for Science/Engineer 1**	**5**			
	Total		15	Total		15
Third Year	Creative Expression Competency		3	Exploring the Past Competency		3
	Electives		5	Electives		7
	MAT 225	**Multivariate Calculus**	**3**	BENV300	Cross-cultural Experience	3
	PHY 360	**Linear Electronics***	**4**	**PHY 340**	**Engineering Statics***	**3**
	Total		15	Total		16
Fourth Year	Speaking and Listening Competency		3	Religious Understanding Competency		3
	BENV 400	Christian Values in a Global Comm.	2	Electives		9
	Electives		2	**PHY 375**	**Analytical Mechanics***	**3**
	MAT 350	**Differential Equations***	**3**			
	PHY 326	**Thermal/Modern/Nuclear/Quantum 1***	**5**			
	Total		15	Total		15

124 total hours to complete graduation requirements (this includes 2 hours of arts and lecture credit)
*Alternate year courses
Note: Students pursuing transfer after three years into an accredited engineering program will need additional advising beyond this plan.
Boldface print denotes major course requirement