

SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN APPLIED SCIENCE & ENGINEERING W/ PUBLIC HEALTH CONCENTRATION

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
BIOL 101 General Biology I.....	4	PHYS 102 General Physics Engineering II.....	4
PHYS 101 General Physics Engineering I.....	4	ENGR 120 Numerical Computing.....	3
CHEM 105 Chemistry for Engineers.....	4	ENGR 156 Intro to Engineering.....	2
PHYE 100 Healthful Living	1	WRIT 101 Foundations of Academic Discourse.....	3
	17		16

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PUBH 101 Intro to Public Health.....	3	SSFT Course.....	2
BIOL 233 Genetics.....	4	EXER 134 Intro to Nutrition.....	3
MECE 107 Engineering Graphics.....	2	BIOL 234 Cell Biology.....	4
MECE 109 Introduction to Solid Modeling	2	STAT 132 Statistical Methods II.....	3
STAT 131 Statistical Methods I.....	3	HUMA 102 Civ and the Biblical Revelation.....	3
General Elective.....	2		15
	16		

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MECE 201 Fundamentals of Material Science.....	3	ENGR 304 Design of Experiments.....	1
ENGR 216 Mechatronics I.....	3	PUBH 102 Environmental & Occupational Health.....	3
MECE 211 Mechanics I.....	3	BIOL 325 Virology.....	3
PUBH 201 Intro to Epidemiology.....	3	Foundations Social Science Course	3
HUMA 200 Western Civilization.....	3	HUMA 202 Civilization and Literature.....	3
	15	General Elective.....	3
			16

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
ENGR 401 Capstone Design Sequence.....	3	ENGR 452 Capstone Design Laboratory II.....	3
ENGR 451 Capstone Design Laboratory I.....	1	ENGR 402 Engineering Economics.....	1
MNGT 214 Business, Ethics, and Society.....	3	BIOL 310 Public Health & Infectious Disease.....	4
HUMA 301 Civilization and the Arts.....	3	HUMA 303 Christianity and Civilization.....	3
General Elective.....	6	General Elective.....	6
	16		17

Students are expected to use this status sheet in conjunction with the College *Bulletin* and to contact their advisors for a detailed schedule of courses recommended to meet requirements for this major.

TOTAL CREDIT HOURS REQUIRED = 128