



# 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 101 General Physics Engineering I.....	4
HUMA 102 Civ and the Biblical Revelation.....	3	CHEM 105 Chemistry for Engineers.....	4
MECE 107 Engineering Graphics.....	2	ENGR 120 Numerical Computing.....	3
MECE 109 Intoduction to Solid Modeling .....	2	ENGR 156 Intro to Engineering.....	<u>2</u>
PHYE 100 Healthful Living .....	<u>1</u>		17
	16		

## Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
PUBH 190 Study: Intro to Public Health.....	3	SSFT Course.....	2
WRIT 101 Foundations of Academic Discourse.....	3	EXER 134 Intro to Nutrition.....	3
BIOL 233 Genetics.....	4	BIOL 234 Cell Biology.....	4
PHYS 102 General Physics Engineering II.....	4	STAT 132 Statistical Methods II.....	3
STAT 131 Statistical Methods I.....	<u>3</u>	General Elective.....	<u>3</u>
	17		15

## Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MECE 201 Fundamentals of Material Science.....	3	MECE 304 Design of Experiements.....	1
ELEE 210 Electrical Engineering.....	3	PUBH 390 Study: Environmental & Occupational Health.....	3
MECE 211 Mechanics I.....	3	BIOL 325 Virology.....	3
PUBH 290 Study: Intro to Epidemiology.....	3	Foundations Social Science Course .....	3
HUMA 200 Western Civilization.....	<u>3</u>	HUMA 202 Civilization and Literature.....	3
	15	General Elective.....	<u>3</u>
			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 Zoonotic Disease and Public Heath.....	4
HUMA 301 Civilization and the Arts.....	3	HUMA 303 Christianity and Civilization.....	3
General Elective.....	3	General Elective.....	<u>5</u>
General Elective.....	<u>3</u>		16
	16		

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