

4 Year Plan – Pre-Health

FIRST YEAR-FALL	HRS
MATH 1551 DIFFERENTIAL CALCULUS	2
MATH 1553 INTRODUCTION TO LINEAR ALGEBRA	2
CHEM 1211K CHEMICAL PRINCIPLES I	4
ENGL 1101 ENGLISH COMPOSITION I	3
HIST 2111 or 2112 or POL 1101 or PUBP 3000 or INTA 1200	3
APPH 1040 FOUNDATIONS OF HEALTH	2
	16
FIRST YEAR-SPRING	HRS
MATH 1552 INTEGRAL CALCULUS	4
PHYS 2211 INTRO TO PHYSICS I	4
CHEM 1212K CHEMICAL PRINCIPLES II	4
ENGL 1102 ENGLISH COMPOSITION II	3
CS 1371 COMPUTING FOR ENGINEERS	3
	18
SECOND YEAR-FALL	HRS
BMED 2210 CONSERVATION PRINCIPLES IN BME	4
PHYS 2212 INTRODUCTORY PHYSICS II	4
COE 2001 STATICS	2
MATH 2551 MULTIVARIABLE CALCULUS	4
HUMANITY / SOCIAL SCIENCE (1)	3
	17
SECOND YEAR-SPRING	HRS
BMED 2250 PROBLEMS IN BIOMEDICAL ENGINEERING I	3
BMED 3400 INTRODUCTION TO BIOMECHANICS	4
MATH 2552 DIFFERENTIAL EQUATIONS	4
HUMANITY / SOCIAL SCIENCE (2)	3
CHEM 2311 ORGANIC CHEMISTRY I	3
	17
THIRD YEAR-FALL	HRS
BMED 2310 PROBLEMS IN BIOMEDICAL ENGINEERING II	3
BMED 3310 BIOTRANSPORT	3
BMED 3100 SYSTEMS PHYSIOLOGY	3
CHEM 2313 ORGANIC/BIOORGANIC CHEMISTRY I	3
BMED 2400 or ISYE 3770 STATISTICS & APPLICATIONS	3
	15

THIRD YEAR-SPRING	HRS
<u>BMED 3600 PHYSIOLOGY OF CELLULAR AND MOLECULAR SYSTEMS</u>	3
<u>BMED 3110 QUANTITATIVE ENGINEERING PHYSIOLOGY LAB I</u>	2
<u>BMED 3520 BIOMEDICAL SYSTEMS AND MODELING</u>	3
CHEM 2313 SURVEY OF BIOCHEMISTRY	3
CHEM 2380 SYNTHESIS LAB I	2
ECE 3710 CIRCUITS & ELECTRONICS	2
	15
FOURTH YEAR-FALL	HRS
MSE 2001 PRIN & APPL ENGINEERING MATERIALS	3
<u>BREADTH ELECTIVE</u> (5)	3
ECE 3741 INSTRUMENTATION AND ELECTRON LAB	1
<u>HUMANITY / SOCIAL SCIENCE</u> (3)	3
<u>BME DEPTH ELECTIVE</u> (1)	3
<u>BME DEPTH ELECTIVE</u> (2)	3
	16
FOURTH YEAR-SPRING	HRS
<u>BMED 4602 CAPSTONE DESIGN</u> <u>Capstone Website</u>	3
<u>BMED 3610 QUANTITATIVE ENGINEERING PHYSIOLOGY LAB II</u>	2
<u>HUMANITY / SOCIAL SCIENCE</u> (4)	3
<u>HUMANITY / SOCIAL SCIENCE</u> (5)	3
<u>BME DEPTH ELECTIVE</u> (3)	3
<u>BME DEPTH ELECTIVE</u> (4)	3
	17