

2007-2008 DEGREE REQUIREMENTS
BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING
SCHOOL OF BIOMEDICAL ENGINEERING

SUGGESTED SCHEDULE (PRE-MED OPTION)

FIRST YEAR - FALL	HRS	FIRST YEAR - SPRING	HRS	FIRST YEAR - SUMMER	HRS
MATH 1501 CALCULUS I	4	MATH 1502 CALCULUS II	4	PHYS 2211 INTRODUCTORY PHYSICS I	4
CHEM 1310 GENERAL CHEMISTRY	4	CHEM 1311 INORGANIC CHEMISTRY I	3	CHEM 2311 ORGANIC CHEMISTRY I	3
BIOL 1510 BIOLOGICAL PRINCIPLES	4	CHEM 1312 INORGANIC CHEMISTRY LAB I	1	CS 1371 COMPUTING FOR ENGINEERS	3
ENGL 1101 ENGLISH COMPOSITION I	3	BMED 1300 PROBLEMS IN BIOMEDICAL ENGINEERING I	3		
		ENGL 1102 ENGLISH COMPOSITION II	3		
		WELLNESS	2		
TOTAL SEMESTER HOURS =	15	TOTAL SEMESTER HOURS =	16	TOTAL SEMESTER HOURS =	10

SECOND YEAR - FALL	HRS	SECOND YEAR - SPRING	HRS
MATH 2401 CALCULUS III	4	MATH 2403 DIFFERENTIAL EQUATIONS	4
CHEM 2312 ORGANIC CHEMISTRY II	3	BMED 2210 CONSERVATION PRINCIPALS IN BMED	4
PHYS 2212 INTRODUCTORY PHYSICS II	4	CHEM 3511 SURVEY OF BIOCHEMISTRY	3
COE 2001 STATICS	2	ECE 3710 CIRCUITS & ELECTRONICS	2
CHEM 2380 SYNTHESIS LAB I	2	BMED 2300 PROBLEMS IN BIOMEDICAL ENGINEERING II	3
TOTAL SEMESTER HOURS =	15	TOTAL SEMESTER HOURS =	16

THIRD YEAR - FALL	HRS	THIRD YEAR - SPRING	HRS
BMED 3160 SYSTEMS PHYSIOLOGY I	4	BMED 3500 BIOMEDICAL SENSORS & INSTRUMENTATION	3
BMED 3400 INTRODUCTION TO BIOMECHANICS	4	BMED 3161 SYSTEMS PHYSIOLOGY II	4
ECE 2025 INTRODUCTION TO SIGNAL PROCESSING	4	BMED 3300 BIOTRANSPORT	4
ECE 3741 INSTRUMENTATION & ELECTRONICS LAB	1	HIST 2111 or 2112 or POL 1101 or PUBP 3000 or INTA 1200	3
CEE / MATH / ISYE 3770 STATISTICS & APPLICATIONS	3	LCC 3401 TECHNICAL COMMUNICATION PRACTICES	2
TOTAL SEMESTER HOURS =	16	TOTAL SEMESTER HOURS =	16

FOURTH YEAR - FALL	HRS	FOURTH YEAR - SPRING	HRS
MSE 2001 PRINCIPLES & APPLICATIONS OF ENGINEERING MATERIALS	3	BMED 4601 SENIOR DESIGN PROJECT II	3
BMED 4600 SENIOR DESIGN PROJECT I	2	BME TECHNICAL ELECTIVE(S)	3
BME TECHNICAL ELECTIVE(S)	6	ECON 2100 or 2105 or 2106	3
HUMANITIES ELECTIVE(S)	6	HUMANITIES / SOCIAL SCIENCE ELECTIVE(S)	6
TOTAL SEMESTER HOURS =	17	TOTAL SEMESTER HOURS =	15

TOTAL REQUIRED PROGRAM HOURS = 130 SEMESTER HOURS PLUS WELLNESS (2 HOURS)
ADDITIONAL PRE-MED COURSE HOURS = 4 SEMESTER HOURS