

SHU CHIEN - GENE LAY DEPARTMENT OF BIOENGINEERING

BIOENGINEERING: BIOTECHNOLOGY (BTEC) TRANSFER COURSE PLAN

ACCREDITED BY ABET
ALL COURSES **MUST** BE TAKEN FOR A LETTER GRADE

THIS PLAN ASSUMES THAT ALL THE REQUIRED TRANSFER SCREENING COURSES AND ALL RECOMMENDED TRANSFER PREP COURSES HAVE BEEN COMPLETED FOR THE BTEC MAJOR.



FIRST YEAR (JUNIOR YEAR)

FALL	WINTER	SPRING
BENG-100 F,S PREREQS: MATH-018; MATH-020C	BENG-001 F, W (2 units)	BENG-187A S PREREQS: BENG-112A or BENG-152 or BENG-168 or BENG-181 (1 unit)
BENG-166A F PREREQS: BILD-001; CHEM-006C or CHEM-007L; MATH-020D; PHYS-002A; PHYS-002B; PHYS-002C	BENG-168 W PREREQ: BILD-001	BENG-103B S PREREQS: CENG-101A or MAE-101A or BENG-112A
CENG-101A F PREREQS: PHYS-002A; MATH-020D; MATH-020E	BENG-130 W PREREQS: CHEM-006B; MATH-020A; MATH-020B; MATH-020D; PHYS-002A; PHYS-002B; PHYS-002C	BENG-160 S PREREQS: BICD-100; CHEM-40B or BENG-120; BENG-100; BENG-158
BICD-100 F,W,S PREREQS: BILD-001 and BILD-003 *(Although not required for the BTEC major BILD-003 MUST be taken as a prereq for BICD-100)	BENG-158 W PREREQS: BILD-001; CHEM-040A or 041A; CHEM-040B or 041B; MATH-020D	Technical Elective (TE)

SECOND YEAR (SENIOR YEAR)

FALL	WINTER	SPRING
BENG-187B F PREREQ: BENG-187A (1 unit)	BENG-187C W PREREQ: BENG-187B (1 unit)	BENG-187D S PREREQ: BENG-187C (1 unit)
BENG-188A F PREREQ: BENG-187A (3 units)	BENG-188B W PREREQ: BENG-188A (3 units)	BENG-125 S PREREQS: BENG-122A or BENG-123 or BENG-181
BENG-162 F PREREQ: BENG-160	BENG-123 W PREREQS: MATH-018; MATH-020D; BENG-120 or CHEM-040B	BENG-186A S PREREQS: BILD-001; BENG-130; PHYS-002A or PHYS-002AR
BENG-161A F PREREQS: MATH-020D; BENG-103B	BENG-161B W PREREQS: MATH-020D; BENG-103B; BENG-160	Technical Elective (TE)

ALL PREREQUISITE COURSES IN **BOLD** ARE REQUIRED FOR THE BTEC MAJOR AND MUST BE MET. COURSES ARE ONLY AVAILABLE IN THE QUARTERS NOTED ABOVE (FALL, WINTER, SPRING).

PLAN ACCORDINGLY TO INCLUDE GE/COLLEGE COURSES IN ADDITION TO THESE MAJOR COURSES

BTEC MAJOR REQUIREMENTS

LOWER DIVISION

BENG-001
BILD-001; BILD-003*
CHEM-006A; CHEM-006B
CHEM-006C; CHEM-007L
CHEM-041A; CHEM-041B
MATH-018; MATH-020E
MATH-020A; MATH-020B
MATH-020C; MATH-020D
PHYS-002A; 002B; 002CL
PHYS-002C; MAE-008

UPPER DIVISION

BENG-100; BENG-103B
BENG-123; BENG-125
BENG-130; BENG-158
BENG-160
BENG-161A; BENG-161B
BENG-162
BENG-166A; BENG-168
BENG-186A
BENG-187A
BENG-187B-D
BENG-188A; BENG-188B
BICD-100
CENG-101A
TE (4 units)
TE (4 units)