

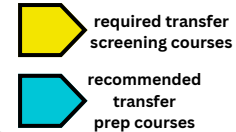
SHU CHIEN - GENE LAY DEPARTMENT OF BIOENGINEERING

BIOENGINEERING (BENG) TRANSFER COURSE PLAN

ACCREDITED BY ABET

ALL COURSES REQUIRED FOR THE MAJOR MUST BE TAKEN FOR A LETTER GRADE.

BENG MAJOR REQUIREMENTS



LOWER DIVISION

- BENG 1, MAE 40
- MAE 3
- BILD 1, CHEM 7L
- CHEM 6A, 6B
- MAE 8
- MATH 18, 20E
- MATH 20A, B, C, D
- PHYS 2A, B
- PHYS 2BL, 2CL
- PHYS 2C

UPPER DIVISION

- BENG 100, 103B
- BENG 110, 112A, B
- BENG 122A, 125
- BENG 130
- BENG 140A, B
- BENG 172, 186A
- BENG 186B
- BENG 187A
- BENG 187B, C, D
- BENG 188A, B
- MAE 107, 170
- MAE 150
- TE (4 UNITS)
- TE (4 UNITS)

FIRST YEAR (JUNIOR YEAR)

FALL

BENG 100
F,S, SU
PREREQS:
MATH 18,
MATH 20C

BENG 110
F
PREREQS:
MATH 20D, MATH
20E, MATH 18,
PHYS 2A or 2AR,
PHYS 2BL, PHYS 2C

MAE 40
F,W
PREREQS:
MATH 20D, MATH
31AH or MATH 18
or MATH 20F, and
PHYS 2B

MAE 107
F, S
PREREQS:
MAE 8, MATH 18
or 20F or 31AH

WINTER

BENG 1
F, W

BENG 112A
W
PREREQ:
BENG 110

BENG 140A
W
PREREQS:
CHEM 6A, PHYS 2A,
PHYS 2B, BILD 1 or
BENG 102

**Technical
Elective (TE)**

SPRING

BENG 187A
S
PREREQS:
BENG 112A or BENG
152 or BENG 168 or
BENG 181

BENG 103B
S
PREREQS:
CENG 101A or MAE
101A or BENG 112A

BENG 112B
S
PREREQ:
BENG 112A

BENG 140B
S
PREREQS:
CHEM 6A, PHYS 2A,
PHYS 2B, BILD 1 or
BENG 102

MAE 170
F, S
PREREQS:
PHYS 2C or PHYS 4B
and PHYS 2CL or
MAE 40

SECOND YEAR (SENIOR YEAR)

FALL

BENG 187B
F
PREREQ:
BENG 187A

BENG 188A
F
PREREQ:
BENG 187A

BENG 122A
F
PREREQS:
MAE 40 or ECE 35

MAE 3
F,S
PREREQS:
PHYS 2A or 4A

**Technical
Elective (TE)**

WINTER

BENG 187C
W
PREREQ:
BENG 187B

BENG 188B
W
PREREQ:
BENG 188A

BENG 130
W
PREREQS:
CHEM 6B; MATH 20A,
20B, 20D; PHYS 2A,
2B, 2C

BENG 186B
W
PREREQS:
ECE 35 or MAE 40

SPRING

BENG 187D
S
PREREQ:
BENG 187C

BENG 125
S, SU
PREREQS:
BENG 122A or BENG
123 or BENG 181

BENG 172
S
PREREQ:
MAE 170

BENG 186A
S
PREREQS:
BILD 1, BENG 130,
PHYS 2A or PHYS 2AR

MAE 150
F,S
PREREQS:
MAE 30A or MAE
130A or SE 101A or
BENG 110, MAE 107
or SE 121, MAE 3 or
MAE 2

ALL PREREQUISITE COURSES IN **BOLD** ARE REQUIRED FOR THE BENG MAJOR AND MUST BE MET. COURSES ARE ONLY AVAILABLE IN THE QUARTERS NOTED ABOVE (FALL, WINTER, SPRING, SUMMER). PLAN ACCORDINGLY TO INCLUDE GE/COLLEGE COURSES IN ADDITION TO THESE MAJOR COURSES