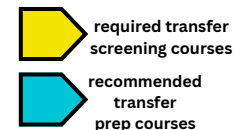


# SHU CHIEN - GENE LAY DEPARTMENT OF BIOENGINEERING

## BIOENGINEERING: BIOSYSTEMS (BSYS) TRANSFER COURSE PLAN

ACCREDITED BY ABET

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



### BSYS MAJOR REQUIREMENTS

#### LOWER DIVISION

**BENG 1**

**BENG 2 or MAE 8**

**CHEM 6A, 6B**

**ECE 35, ECE 45**

**MATH 18, 20E**

**MATH 20A, B, C, D**

**PHYS 2A, 2B**

**PHYS 2BL, 2CL**

**PHYS 2C**

#### UPPER DIVISION

**BENG 100, 102**

**BENG 110, 120**

**BENG 122A, 125**

**BENG 130, 133**

**BENG 134, 135**

**BENG 140A, B**

**BENG 141, 152**

**BENG 186B**

**BENG 187A**

**BENG 187B, C, D**

**BENG 188A, B**

**BENG 189**

**TE (4 UNITS)**

**TE (4 UNITS)**

### FIRST YEAR (JUNIOR YEAR)

#### FALL

**BENG 1**  
F, W

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

**BENG 141**  
F  
PREREQ:  
PHYS 2C

**ECE 35**  
F,W,S  
PREREQ:  
MATH 18, 20A,B,  
PHYS 2A

#### WINTER

**BENG 120**  
W  
PREREQS:  
CHEM 6A, 6B

**BENG 152**  
W  
PREREQS:  
MAE 40 or ECE 35

**BENG 186B**  
W  
PREREQS:  
ECE 35 or MAE 40

**ECE 45**  
F, W,S  
PREREQ:  
ECE 35

#### SPRING

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

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

**BENG 102**  
S  
PREREQ:  
BENG 120

**Technical  
Elective (TE)**

### 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

**BENG 133**  
F  
PREREQS:  
MATH 18, MATH  
20D

**BENG 135**  
F  
PREREQS:  
ECE 45 or MAE 40

#### 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 140A**  
W  
PREREQS:  
CHEM 6A, PHYS  
2A, PHYS 2B, BILD  
1 OR BENG 102

**BENG 189**  
W  
PREREQ:  
BENG 140A

#### SPRING

**BENG 187D**  
S  
PREREQ:  
BENG 187C

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

**BENG 134**  
S  
PREREQ:  
MATH 20D, MATH  
18; BENG 100

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

**Technical  
Elective (TE)**

ALL PREREQUISITE COURSES IN **BOLD** ARE REQUIRED FOR THE BSYS 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