

SHU CHIEN - GENE LAY DEPARTMENT OF BIOENGINEERING

BIOENGINEERING: BIOINFORMATICS (BINF) TRANSFER COURSE PLAN

BINF MAJOR REQUIREMENTS

NOT ACCREDITED BY ABET

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



LOWER DIVISION

- BENG 1, CSE 21
- BILD 1, 3, 4
- CHEM 6A, 6B
- CSE 11, 12
- MATH 18, 20E
- MATH 20A, B, C, D
- PHYS 2A, B
- PHYS 2C

UPPER DIVISION

- BENG 100
- BENG 102
- BENG 120, 125
- BENG 130, 168
- BENG 181
- BENG 182
- BENG 183
- BENG 187A
- BENG 187B, C, D
- BENG 188A, B
- BICD 100
- BIMM 100
- CSE 100, 101, 185
- MATH 186
- TE (8 UNITS)

FIRST YEAR (JUNIOR YEAR)

FALL	WINTER	SPRING
BENG 1 F, W	BENG 130 W PREREQS: CHEM 6B; MATH 20A, 20B, 20D; PHYS 2A, 2B, 2C	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 168 W PREREQ: BILD 1	BENG 182 S PREREQ: CSE 100
BICD 100 F,W,S PREREQS: BILD 1, BILD 3	CSE 100 F,W,S PREREQS: CSE 21 or MATH 154 or MATH 158 or MATH 184 or MATH 188, CSE 12 , CSE 15L- BINF majors are not required to complete CSE 15L. Students should submit an EASy request to enroll in this course	BIMM 100 F,W,S PREREQS: BILD 1 , BIBC 103 or BILD 4 or BILD 70 or BIMM 101, BENG 120 or CHEM 40A or CHEM 40AH or CHEM 41A, BENG 120 or CHEM 40B or CHEM 40BH or CHEM 41B
CSE 21 F,W,S PREREQS: CSE 20 or MATH 15A or MATH 31CH - BINF majors are not required to complete CSE 20. Students should submit an EASy request to enroll in this course.	CSE 101 F,W,S PREREQS: CSE 21 or MATH 154 or MATH 158 or MATH 184 or MATH 188, CSE 12 or DSC 30	CSE 185 S PREREQS: CSE 11 , CSE 12 , MATH 20C or MATH 31BH, BILD 1 , BIEB 123 or BILD 4 or BIMM 101 or CHEM 109

SECOND YEAR (SENIOR YEAR)

FALL	WINTER	SPRING
BENG 187B F PREREQ: BENG 187A	BENG 187C W PREREQ: BENG 187B	BENG 187D S PREREQ: BENG 187C
BENG 188A F PREREQ: BENG 187A	BENG 188B W PREREQ: BENG 188A	BENG 102 S PREREQ: BENG 120
BENG 183 F PREREQS: BIMM 100 or CHEM 114C	BENG 120 W PREREQS: CHEM 6A and 6B	BENG 125 S, SU PREREQS: BENG 122A or BENG 123 or BENG 181
Technical Elective (TE)	BENG 181 W PREREQS: CSE 100 ; CSE 101 ; BIMM 100 or CHEM 114C	Technical Elective (TE)
	MATH 186 W PREREQS: MATH 20C or MATH 31BH	

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