

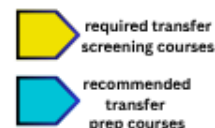
SHU CHIEN - GENE LAY DEPARTMENT OF BIOENGINEERING

BIOENGINEERING: BIOINFORMATICS (BINF) TRANSFER COURSE PLAN

NOT ACCREDITED BY ABET

ALL COURSES REQUIRED FOR THE MAJOR **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 BINF MAJOR



FIRST YEAR (JUNIOR YEAR)

SECOND YEAR (SENIOR YEAR)

FALL	WINTER	SPRING
BENG-001 F,W (2 units)	BENG-130 W PREREQS: CHEM-006B; MATH-020A, 020B, 020D; PHYS-002A, 002B, 002C	BENG-187A S PREREQS: BENG-112A or BENG-152 or BENG-168 or BENG-181 (1 unit)
BENG-100 F,S, PREREQS: MATH-018; MATH-020C	BENG-120 W PREREQS: CHEM-006A; CHEM-006B	BENG-182 S PREREQ: CSE-100
BICD-100 F,W,S PREREQS: BILD-001; BILD-003	BENG-168 W PREREQ: BILD-001	BIMM-100 F,W,S PREREQS: BILD-001; BIBC-103 or BILD-004 or BILD-70 or BIMM-101; BENG-120 or CHEM-040A or CHEM-040AH or CHEM-041A; BENG-120 or CHEM-040B or CHEM-040BH or CHEM-041B
CSE-021 F,W,S PREREQS: CSE-020 or MATH-015A or MATH-031CH - BINF majors are not required to complete CSE-020. Students should submit an EASy request to enroll in this course.	CSE-100 F,W,S PREREQS: CSE-0021 or MATH-154 or MATH-158 or MATH-184 or MATH-188; CSE-012; CSE-015L - BINF majors are not required to complete CSE-015L. Students should submit an EASy request to enroll in this course	CSE-185 S PREREQS: CSE-011; CSE-012; MATH-020C or MATH-031BH; BILD-001 ; BIEB-123 or BILD-004 or BIMM-101 or CHEM-109

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-102 S PREREQ: BENG-120
BENG-183 F PREREQS: BIMM-100 or CHEM-114C	BENG-181 W PREREQS: CSE-100; CSE-101; BIMM-100 or CHEM-114C	BENG-125 S PREREQS: BENG-122A or BENG-123 or BENG-181
CSE-101 F,W,S PREREQS: CSE-021 or MATH-154 or MATH-158 or MATH-184 or MATH-188; CSE-012 or DSC-30	MATH-186 W PREREQS: MATH-020C or MATH-031BH	Technical Elective (TE)
Technical Elective (TE)		

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

BINF MAJOR REQUIREMENTS

LOWER DIVISION

BENG-001

BILD-001; BILD-003

BILD-004

CSE-021

CHEM-006A; CHEM-006B

CSE-011; CSE-012

MATH-018; MATH-020E

MATH-020A; MATH-020B

MATH-020C; MATH-020D

PHYS-002A; PHYS-002B

PHYS-002C

UPPER DIVISION

BENG-100; BENG-120

BENG-102; BENG-125

BENG-130; BENG-168

BENG-181

BENG-182

BENG-183

BENG-187A

BENG-187B-D

BENG-188A; BENG-188B

BICD-100; BIMM-100

CSE-100; CSE-185

CSE-101

MATH-186

TE (8 UNITS)