

B.S. in Bioengineering (Biomolecular Track) – Senior Checklist (2023)

Rev. 5/14/2021

English		
Course	Grade	Units
ENGL 181		4
Total		4

Bioethics (Select One)		
Course	Grade	Units
BIOE 180*		4
BIOL 171		5
ENGR 19		4
PHIL 27		4
PHIL 117		5
TESP 157		5
* Also counts as a TE		
Total		

Natural Sciences		
Course	Grade	Units
BIOL 1A		4
BIOL 1B*		4
BIOE 22		5
CHEM 11		5
CHEM 12		5
CHEM 31		5
CHEM 32		5
BIOE 32†		5
PHYS 31		4
PHYS 32		5
PHYS 33		5
* Replaceable with BIOE 21		
† Replaceable with CHEM 33 or 50		
Total		52

Mathematics		
Course	Grade	Units
MATH 11		4
MATH 12		4
MATH 13		4
MATH 14		4
AMTH 106		4
BIOE 120*		4
* Replaceable with AMTH 108		
Total		24

Engineering		
Course	Grade	Units
ENGR 1		2
BIOE 10		4
BIOE 45 / COEN 44		5
ELEN 50		5
ELEN 21*		5
MECH 10*		5
BIOE 153		4
BIOE 162		5
BIOE 163		5
BIOE 172		4
BIOE 175		5
BIOE 176		4
* Select one or BIOE 23		
Total		48

Senior Design Project		
Course	Grade	Units
BIOE 194		2
BIOE 195		2
BIOE 196		2
Total		6

Technical Electives (TE)		
Course	Grade	Units
Total (≥16)		
≥8 from BIOE		

Transfer Units to MS Degree		
Course	Grade	Units
Total (≤20)		

Name _____

Student ID _____

University Core		
Course	Grade	Units
CTW 1		4
CTW 2		4
C&I 1		4
C&I 2		4
C&I 3		
RTC 1		4
RTC 2		
RTC 3		
Ethics		
Diversity		
Social Science		
ELSJ		
Total		

Pathway		
Course	Grade	Units
Reflection Essay	<input type="checkbox"/> Pass	-
Total (≥12)		

Total Units	
English	4
Bioethics	
Natural Sciences	52
Mathematics	24
Engineering	48
Senior Design Project	6
Technical Electives	
University Core	
Pathway	
Free Electives	
Total (≥191)	

Academic Advisor	Date