

Major: Biochemistry & Molecular Biology

*Feb. 2022

Name: _____ PID _____

Credits required for graduation: 120

Writing and Integrative Studies - University Requirement: (20 credits)

WRA 101/195H-4 _____ ISS 2 _____-4 _____ IAH 201-210 -4 _____
 or LB 133-4 _____ ISS 3 _____-4 _____ IAH 211 or greater-4 _____
 Note: ISS/IAH courses must be in at least 2 different Diversity Designations (N, I, D)

Biochemistry	Chemistry	Honors	Lyman Briggs
BMB 101-1 ___ F lect. BMB 370-3 ___ F S lab begins Fall 22 BMB 461-3 ___ F S lect. 1 BMB 462-3 ___ F S lect. 2 BMB 470-4 ___ F lab BMB 471-4 ___ S lab BMB 495-2 ___ S seminar OR BMB 499(2-8) ___ (Thesis) OR LB 492-4 ___ F S seminar (Required for Lyman Briggs Students)	CEM 151-4 ___ F inorg. 1 or CEM 141-4 ___ F S US CEM 152-3 ___ S inorg. 2 or CEM 142-3 ___ F S US CEM 161-1 ___ F S US lab 1 CEM 162-1 ___ F S US lab 2 CEM 351-3 ___ F organic 1 CEM 352-3 ___ S organic 2 CEM 355-2 ___ S US organic lab 1 CEM 356-2 ___ F organic lab 2 CEM 383-3 ___ F US phys. chem. 1 or CEM 484-3 ___ S molec. thermo. (MTH 235 is a prereq.)	CEM 181H-4 ___ F CEM 182H-4 ___ S CEM 185H-2 ___ F CEM 185H-2 ___ F CEM 251-3 ___ F S US organic 1 CEM 252-3 ___ F S US organic 2	LB 171-4 ___ F S LB 172-3 ___ F S LB 171L-1 ___ F S LB 172L-1 ___ F S
Electives (optional) BMB 490- ___ research			

Physics

Physics I: PHY 183-4 ___ F S US **or** PHY 221-4 ___ F S **or** PHY 241-4 ___ F **or** LB 273-4 ___ F (Lyman Briggs Only) **or** PHY 193H 4 ___ F (Honors)
 Physics II: PHY 184-4 ___ F S US **or** PHY 222-4 ___ F S **or** PHY 242-4 ___ S **or** LB 274-4 ___ S (Lyman Briggs Only) **or** PHY 294H-4 ___ S (Honors)

Non-Calc Physics: Requires calculus bridge courses:

Physics I: PHY 231-3 ___ F S US + PHY 233B-2 ___ F S US (bridge)
 Physics II: PHY 232-3 ___ F S US + PHY 234B-2 ___ F S US (bridge)

NOTE: Lyman Briggs students who are not taking LB 273/274, must complete PHY labs - see options below

Computer Science/Math	Lyman Briggs	Honors
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CMSE 201-4 ___ F S		
MTH 132-3 ___ F S US (calc 1) or LB 118-4 ___ F S or MTH 152H-3 ___ F S		
MTH 133-4 ___ F S US (calc 2) or LB 119-4 ___ F S or MTH 153H-3 ___ S		

Biology	Lyman Briggs	Honors
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BS 162-3 ___ F S US or LB 144-4 ___ F S or BS 182H-3 ___ F BS 161-3 ___ F S US or LB 145-5 ___ F S or BS 181H-3 ___ S BS 171-2 ___ F S US or LB 145-5 or BS 191H-2 ___ S lab Premeds and all Lyman Briggs students also need BS 172-2 ___ F S US or LB 144-4 ___ F S or BS 192H-2 ___ F		
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Advanced Selectives - 300-400 level courses (10 credits)

(Visit: <https://bmb.natsci.msu.edu/undergraduate/academics/> for approved courses list)

Premeds and Lyman Briggs students may also need:
(consult with pre-professional advisor)

PHY 251-1 ___ F S US lab 1 **or** PHY 191-1 ___ F lab 1
 PHY 252-1 ___ F S US lab 2 **or** PHY 192-1 ___ S lab 2

Premeds may also need:
(consult with Pre-professional advisor)

PSY ___ - ___ F S US
 SOC ___ - ___ F S US