

Major: Biochemistry & Molecular Biology

*August 2026

Credits required for graduation: 120

Writing and Integrative Studies - University Requirement: (20 credits)			
WRA 101/195H-4 _____ or LB 133-4 _____		ISS 2 _____-4 _____ ISS 3 _____-4 _____	IAH 201-210 -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 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) Electives (optional) BMB 490- ____ research BMB 491- ____ research	CEM 151-4 ____ F inorg. 1 or CEM 141-4 ____ F S US or CEM 181H-4 ____ F or LB 171-4 ____ F S CEM 152-4 ____ S inorg. 2 or CEM 142-4 ____ F S US or CEM 182H-4 ____ S or LB 172-3 ____ F S CEM 161-1 ____ F S US lab 1 or CEM 185H-2 ____ F or LB 171L-1 ____ F S CEM 162-1 ____ F S US lab 2 or CEM 185H-2 ____ F or LB 172L-1 ____ F S CEM 351-4 ____ F organic 1 or CEM 251-4 ____ F S US organic 1 or LB 271-3 ____ F S organic 1 CEM 352-4 ____ S organic 2 or CEM 252-4 ____ F S US 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.)		
Physics			
Physics I: PHY 183-4 ____ F S US or PHY 221-4 ____ F S 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 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	
CMSE 201-4 ____ F S			
MTH 132-3 ____ F S US (calc 1) or MTH 133-4 ____ F S US (calc 2) or	LB 118-4 ____ F S or LB 119-4 ____ F S or	MTH 152H-3 ____ F S MTH 153H-3 ____ S	
Biology	Lyman Briggs	Honors	Advanced Selectives - 300-400 level courses (10 credits) (Visit: https://bmb.natsci.msu.edu/undergraduate/academics/ for approved courses list)
BS 161-3 ____ F S US or BS 162-3 ____ F S US or BS 171-2 ____ F S US or LB 145-5 ____ F S or LB 144-4 ____ F S or LB 145-5 or BS 181H-3 ____ S BS 182H-3 ____ F BS 191H-2 ____ S lab Premeds and all Lyman Briggs students also need BS 172-2 ____ F S US or BS 192H-2 ____ F			_____ _____ _____
Premeds and Lyman Briggs students may also need: (consult with pre-professional advisor)			Premeds 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			PSY ____-__ ____ F S US SOC ____-__ ____ F S US

(*Please visit our website for most current requirements checklists: <https://bmb.natsci.msu.edu/undergraduate/academics/>)