

*Aug 2025

Integrative Studies and Writing- University Requirement: (20 credits)			
WRA 101/195H-4 _____ or LB 133-4 _____		ISS 2XX _____-4 ISS 3XX _____-4 Note: ISS/IAH courses must be in at least 2 different Diversity Designations (N, I, D)	
Biochemistry		Chemistry	
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 (OR other Molecular Biology Lab - see below)* 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		Honors 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	
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		Honors	
Biology		Lyman Briggs	
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 (*LB 145 replaces BS 161&171) or BS 191H-2 ____ S lab Premeds and all LB Students also need BS 172-2 ____ F S US or LB 144-4 ____ F S or BS 192H-2 ____ F		Honors	
General Genetics		Advanced Selectives (300-400 level) (9 credits) (Visit: https://bmb.natsci.msu.edu/undergraduate/academics/ for approved courses list)	
IBIO/PLB 341-4 ____ F S US or CSS/CROP 350-3 ____ S			
*Molecular Biology Lab (3-4 credits)			
BMB 470 -4 ____ F or CSS/CROP 451-3 ____ S or MMG/MGI 408-3 ____ 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/>)