

Major: Biochemistry & Molecular Biology/Biotechnology

*May 18

Name: _____ PID _____

Credits required for graduation: 120

Writing and Integrative Studies - University Requirement: (20 credits)			
WRA 1 ____ -4 ¹ _____ or LB 133 -4 _____	ISS 2 ____-4 _____ IAH 201-210 -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 461-3 ____ F lect. 1 BMB 462-3 ____ S lect. 2 BMB 472-3 (or other Molecular Biology Lab - see below)** BMB 471-3 ____ S lab (BMB 471 is not a prereq for BMB 472) AND BMB 495-2 ____ S seminar OR BMB 499 (2-8) ____ (Thesis) OR LB 492-4 ____ F S seminar (For Lyman Briggs Students Only)	CEM 151-4 ____ F inorg. 1 or CEM 141-4 ____ F S or CEM 181H-4 ____ F or LB 171-4 ____ F CEM 152-3 ____ S inorg. 2 or CEM 142-3 ____ F S or CEM 182H-4 ____ S or LB 172-3 ____ S CEM 161-1 ____ F S lab 1 or CEM 185H-2 ____ F or LB 171L-1 ____ F CEM 162-1 ____ F S lab 2 or CEM 185H-2 ____ F or LB 172L-1 ____ S CEM 262-3 ____ F S US quantitative analysis CEM 351-3 ____ F organic 1 or CEM 251-3 ____ F S organic 1 CEM 352-3 ____ S organic 2 or CEM 252-3 ____ F S organic 2 CEM 355-2 ____ S organic lab 1 CEM 356-2 ____ F organic lab 2 CEM 383-3 ____ F phys. chem. 1 or CEM 484-3 ____ S molec. thermo. (MTH 235 is a prereq)		
Physics	Lyman Briggs	Non-Calc Physics**: Requires calculus bridge courses	
PHY 241-4 ____ F or PHY 183-4 ____ F S US or LB 273-4 ____ F or	PHY 242-4 ____ S or PHY 184-4 ____ F S US or LB 274-4 ____ S or	**PHY 231-3 ____ F S + PHY 233B-2 ____ F S US (bridge) or PHY 193H-4 ____ F **PHY 232-3 ____ F S + PHY 234B-2 ____ F S US (bridge) or PHY 294H-4 ____ S	
Computer Science/Math			
CMSE 201-4 ____ S MTH 132-3 ____ F S US (calc 1) or LB 118-4 ____ F S or MTH 152H-3 ____ F MTH 133-4 ____ F S US (calc 2) or LB 119-4 ____ F S or MTH 153H-3 ____ S			
Biology	Lyman Briggs	Honors	
BS 162-3 ____ F S or LB 144-4 ____ F S	BS 161-3 ____ F S or *LB 145-5 ____ F S	or BS 182H-3 ____ F or BS 181H -3 ____ S or BS 191H-2 ____ S lab	
BS 171-2 ____ F S US or *LB 145-5 (*LB 145 replaces BS 161&171)			
General Genetics			
IBIO/PLB 341-4 ____ F S US or CSS 350-3 ____ S			
**Molecular Biology Lab (3 credits)			
BMB 472-3 ____ F or CSS 451-3 ____ S or MMG 408-3 ____ F			
Advanced Biotechnology (300-400 level) (9 credits) (see back page for approved course options)			

Premeds may also need:		Premeds may also need:	
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/>)