

Major: Biochemistry & Molecular Biology/Biotechnology

*Nov 2017

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 CEM 152-3 ___ S inorg. 2 or CEM 142-3 ___ F S or CEM 182H-4 ___ S CEM 161-1 ___ F S lab 1 or CEM 185H-2 ___ F CEM 162-1 ___ F S lab 2 or CEM 185H-2 ___ F 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	LB 273-4 ___ F or	**PHY 231-3 ___ F S + PHY 233B-2 ___ F S US (bridge) or PHY 193H-4 ___ F	
PHY 242-4 ___ S or PHY 184-4 ___ F S US	LB 274-4 ___ S or	**PHY 232-3 ___ F S + PHY 234B-2 ___ F S US (bridge) or PHY 294H-4 ___ S	
Computer Science/Math			
CSE 231-4 ___ F S US (Python)	or 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	or BS 182H-3 ___ F	
BS 161-3 ___ F S	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	
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		PSY ___ - ___ F S US	
PHY 252-1 ___ F S US lab 2 or PHY 192-1 ___ S lab 2		SOC ___ - ___ F S US	

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