

Major: Biochemistry & Molecular Biology

*May 19

Name: _____ PID: _____

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 _____ Note: ISS/IAH courses must be in at least 2 different Diversity Designations (N, I, D)	IAH 201-210 -4 _____ IAH 211 or greater-4 _____	
Biochemistry	Chemistry	Honors	Lyman Briggs
BMB 101-1 ___ F lect. BMB 461-3 ___ F S lect. 1 BMB 462-3 ___ F S lect. 2 BMB 472-3 ___ F lab BMB 471-3 ___ S lab <i>(BMB 471 is not a prereq for BMB 472)</i> BMB 495-2 ___ S seminar OR BMB 499(2-8) ___ (Thesis) OR LB 492-4 ___ F S seminar (For Lyman Briggs Students Only) <u>Electives (optional)</u> BMB 490- ___ research	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 262-3 ___ F S US quantitative analysis CEM 351-3 ___ F organic 1 or CEM 251-3 ___ F S US organic 1 CEM 352-3 ___ S organic 2 or CEM 252-3 ___ 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.) CEM 384-3 ___ S phys. chem. 2 or CEM 483-3 ___ F quantum chem. (MTH 235 is a prereq.)	CEM 181H-4 ___ F or LB 171-4 ___ F S CEM 182H-4 ___ S or LB 172-3 ___ F S or CEM 185H-2 ___ F or LB 171L-1 ___ F S or CEM 185H-2 ___ F or LB 172L-1 ___ F S	
Physics	Lyman Briggs	Non-Calc Physics** : Requires calculus bridge courses	Honors
PHY 241-4 ___ F or PHY 183-4 ___ F S US or LB 273-4 ___ F or **PHY 231-3 ___ F S US + PHY 233B-2 ___ F S US (bridge) or PHY 193H-4 ___ F PHY 242-4 ___ S or PHY 184-4 ___ F S US or LB 274-4 ___ S or **PHY 232-3 ___ F S US + PHY 234B-2 ___ F S US (bridge) or PHY 294H-4 ___ S NOTE: Lyman Briggs students starting at MSU in Fall 2019 or after, 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 (required for students starting in major beginning Summer 2018) 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	Advanced Biology (300 - 400 level) (10 credits) (see back page for approved options)
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			_____ _____ _____
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/>)