

# Major: Biochemistry & Molecular Biology

\*Nov 19

Name: \_\_\_\_\_ PID: \_\_\_\_\_

Credits required for graduation: 120

<b>Writing and Integrative Studies - University Requirement: (20 credits)</b>			
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 _____	
<b>Biochemistry</b>	<b>Chemistry</b>	<b>Honors</b>	<b>Lyman Briggs</b>
BMB 101-1 ___ F lect. BMB 461-3 ___ F S lect. 1 BMB 462-3 ___ F S lect. 2 BMB 470 (formerly 472)-3 ___ F lab BMB 471-3 ___ S lab BMB 495-2 ___ S seminar <b>OR</b> BMB 499(2-8) ___ (Thesis) <b>OR</b> LB 492-4 ___ F S seminar <b>(For Lyman Briggs Students Only)</b>	CEM 151-4 ___ F inorg. 1 <b>or</b> CEM 141-4 ___ F S US CEM 152-3 ___ S inorg. 2 <b>or</b> 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 <b>or</b> CEM 251-3 ___ F S US organic 1 CEM 352-3 ___ S organic 2 <b>or</b> 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 <b>or</b> CEM 484-3 ___ S molec. thermo. (MTH 235 is a prereq.) CEM 384-3 ___ S phys. chem. 2 <b>or</b> CEM 483-3 ___ F quantum chem. (MTH 235 is a prereq.)		
<b>Electives (optional)</b> BMB 490- ___ research			
<b>Physics</b>	<b>Lyman Briggs</b>	<b>Non-Calc Physics**</b> : Requires calculus bridge courses	<b>Honors</b>
PHY 241-4 ___ F <b>or</b> PHY 183-4 ___ F S US <b>or</b> LB 273-4 ___ F <b>or</b> **PHY 231-3 ___ F S US + PHY 233B-2 ___ F S US (bridge) <b>or</b> PHY 193H-4 ___ F	PHY 242-4 ___ S <b>or</b> PHY 184-4 ___ F S US <b>or</b> LB 274-4 ___ S <b>or</b> **PHY 232-3 ___ F S US + PHY 234B-2 ___ F S US (bridge) <b>or</b> PHY 294H-4 ___ S		
<i>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</i>			
<b>Computer Science/Math</b>	<b>Lyman Briggs</b>	<b>Honors</b>	
CMSE 201-4 ___ F S	MTH 132-3 ___ F S US (calc 1) <b>or</b> LB 118-4 ___ F S <b>or</b> MTH 152H-3 ___ F S	MTH 133-4 ___ F S US (calc 2) <b>or</b> LB 119-4 ___ F S <b>or</b> MTH 153H-3 ___ S	
<b>Biology</b>	<b>Lyman Briggs</b>	<b>Honors</b>	<b>10 credits in approved 300-400 level courses (see back page for options)</b>
BS 162-3 ___ F S US <b>or</b> LB 144-4 ___ F S <b>or</b> BS 182H-3 ___ F	BS 161-3 ___ F S US <b>or</b> LB 145-5 ___ F S <b>or</b> BS 181H-3 ___ S	BS 171-2 ___ F S US <b>or</b> LB 145-5 <b>or</b> BS 191H-2 ___ S lab	_____ _____ _____
<b>Premeds and all Lyman Briggs students also need</b> BS 172-2 ___ F S US <b>or</b> LB 144-4 ___ F S <b>or</b> BS 192H-2 ___ F			
<b>Premeds and Lyman Briggs students may also need: (consult with pre-professional advisor)</b>			<b>Premeds may also need: (consult with Pre-professional advisor)</b>
PHY 251-1 ___ F S US lab 1 <b>or</b> PHY 191-1 ___ F lab 1 PHY 252-1 ___ F S US lab 2 <b>or</b> 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/>)