

# Major: Biochemistry & Molecular Biology

\*May 18

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

**Credits required for graduation: 120**

<b>Writing and Integrative Studies - University Requirement: (20 credits)</b>			
WRA 1 ____ -4 <sup>1</sup> _____ 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)	
<u>Biochemistry</u>	<u>Chemistry</u>	<u>Honors</u>	<u>Lyman Briggs</u>
BMB 101-1 ____ F lect. BMB 461-3 ____ F lect. 1 BMB 462-3 ____ 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 <b>OR</b> BMB 499(2-8) ____ (Thesis) <b>OR</b> LB 492-4 ____ F S seminar <b>(For Lyman Briggs Students Only)</b>  <u><b>Electives (optional)</b></u> BMB 490- ____ research	CEM 151-4 ____ F inorg. 1 <b>or</b> CEM 141-4 ____ F S <b>or</b> CEM 181H-4 ____ F <b>or</b> LB 171-4 ____ F CEM 152-3 ____ S inorg. 2 <b>or</b> CEM 142-3 ____ F S <b>or</b> CEM 182H-4 ____ S <b>or</b> LB 172-3 ____ S CEM 161-1 ____ F S lab 1 <b>or</b> CEM 185H-2 ____ F <b>or</b> LB 171L-1 ____ F CEM 162-1 ____ F S lab 2 <b>or</b> CEM 185H-2 ____ F <b>or</b> LB 172L-1 ____ S CEM 262-3 ____ F S US quantitative analysis CEM 351-3 ____ F organic 1 <b>or</b> CEM 251-3 ____ F S organic 1 CEM 352-3 ____ S organic 2 <b>or</b> 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 <b>or</b> CEM 484-3 ____ S molec. thermo. <b>(MTH 235 is a prereq)</b> CEM 384-3 ____ S phys. chem. 2 <b>or</b> CEM 483-3 ____ F quantum chem. <b>(MTH 235 is a prereq)</b>		
<u>Physics</u>	<u>Lyman Briggs</u>	<u>Non-Calc Physics**</u> : Requires calculus bridge courses	<u>Honors</u>
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 + 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 + PHY 234B-2 ____ F S US (bridge) <b>or</b> PHY 294H-4 ____ S			
<u>Math /Computer Science</u>	<u>Lyman Briggs</u>	<u>Honors</u>	
MTH 132-3 ____ F S US (calc) <b>or</b> LB 118-4 ____ F S <b>or</b> MTH 152H-3 ____ F MTH 133-4 ____ F S US (calc 2) <b>or</b> LB 119-4 ____ F S <b>or</b> MTH 153H-3 ____ S CMSE 201-4 ____ F S (required for students starting in major beginning Summer 18)			
<u>Biology</u>	<u>Lyman Briggs</u>	<u>Honors</u>	<u>Advanced Biology (300 - 400 level) (10 credits)</u> <u>(see back page for approved options)</u>
BS 162-3 ____ F S <b>or</b> LB 144-4 ____ F S <b>or</b> BS 182H-3 ____ F BS 161-3 ____ F S <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 <i>(*LB 145 takes the place of BS 161 &amp; 171)</i>			_____ _____ _____
<u>Premeds may also need:</u> <u>(consult with Pre-professional advisor)</u>			<u>Premeds may also need:</u> <u>(consult with Pre-professional advisor)</u>
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/>)