## Writing and Integrative Studies - University Requirement: (20 credits)

### Biochemistry
- BMB 101-1 F lect.
- CEM 151-4 F inorg. 1 or CEM 141-4 F US
- LB 133-4

### Chemistry
- CEM 152-3 F inorg. 2 or CEM 142-3 F US
- CEM 262-3 F US quantitative analysis
- CEM 351-3 F organic 1 or CEM 251-3 F US organic 1
- CEM 352-3 S organic 2 or CEM 252-3 F 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.)

### Lyman Briggs
- LB 172-4 S seminar
- LB 172-4 (Thesis)
- LB 492-4 S seminar

### Electives (optional)
- BMB 490- ___ research

## Electives

### Physics

#### Physics I:
- PHY 183-4 F S US
- PHY 214-4 F S US
- PHY 214-4 F or PHY 241-4 F or PHY 273-4 F (Lyman Briggs Only)
- PHY 193H F (Honors)

#### Physics II:
- PHY 184-4 F S US
- PHY 224-4 F S US
- PHY 242-4 F S US
- PHY 274-4 F S (Lyman Briggs Only)
- PHY 294H-4 F S (Honors)

**Non-Calc Physics**: Requires calculus bridge courses:

- PHY 231-3 F S US + PHY 233B-2 F US (bridge)
- PHY 234B-2 F US (bridge)

**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
- CMSE 201-4 F S
- MTH 132-3 ___ F US (calc 1) or MTH 152-3 ___ F S
- MTH 133-4 ___ F US (calc 2) or MTH 153H-3 ___ F S

### Biology

#### Lyman Briggs
- BS 162-3 ___ F US or LB 144-4 ___ F S or BS 182H-3 ___ F
- BS 161-3 ___ F US or LB 145-5 ___ F S or BS 181H-3 ___ S
- BS 171-2 ___ F US or LB 145-5 or BS 191H-2 ___ S lab

#### Honors

### Advanced Selectives - 300-400 level courses (10 credits)

(Visit: [https://bmb.natsci.msu.edu/undergraduate/academics/](https://bmb.natsci.msu.edu/undergraduate/academics/) for approved courses list)

#### Premeds and all Lyman Briggs students also need

- BS 172-2 ___ F 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)

- 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/](https://bmb.natsci.msu.edu/undergraduate/academics/))

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**Major: Biochemistry & Molecular Biology**

Name: __________________________ PID________________________

Credits required for graduation: 120

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*May 2021*