Molecular Biophysics & Biochemistry

### Degrees Offered

<table>
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<tr>
<th>B.A.</th>
<th>B.S.</th>
<th>B.S./M.S.</th>
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<tr>
<td>CHEM 161/165 or CHEM 163/167, and CHEM 220 or 174 with CHEM 222L</td>
<td>MATH 112, and MATH 115 or 116</td>
<td>BIOL 101 and 102, and for certain concentrations, BIOL 103 and 104</td>
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### Introductory Courses

<table>
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<tr>
<th>9.5 course credits</th>
<th>12.5 course credits</th>
<th>18.5 course credits</th>
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<td>including senior req</td>
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#### Biophysics

- (4 credits)
  - PHYS 170/171 (or above)
  - MB&B 275 or CHEM 332

#### Biochemistry

- (3 credits)
  - MB&B 300 and MB&B 301
  - CHEM 175 or any CHEM 200+

### Requirements for each degree

#### Science and Society

- (1/2 credit minimum)
  - MB&B 268 or others as approved by DUS

#### Practical Skills Electives

- (1 credit for B.A. / 2 credits for B.S. from different categories with at least 0.5 credits from MB&B)
  - Physics: PHYS 165L, MB&B 101L, CHEM 355L or …
  - Biochem: MB&B 470/471, 251L, CHEM 355L or …
  - Critical tools: S&DS 105, CPSC 112, MB&B 435 or …

#### Seminar and Lecture Electives

- (1 credit)
  - 1 MB&B elective at 200+ level

- (2 credits)
  - 1 x MB&B at 200+ level
  - 1 x STEM at 200+ level

#### Concentrations (optional)

- Faculty curated sets of electives for students choosing to concentrate in Biochemistry; Biophysics and Structural Biology; Chemical Biology; Computational Biology & Bioinformatics; Environment and Climate Change; Medicine.
  - Some concentrations require BIOL 103/104.
  - Some require 1-3 additional credits.

- More specific concentration requirements found in YCPS.

#### Senior Requirements

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<tr>
<th>Senior Project (1 term)</th>
<th>MB&amp;B 570 and 571</th>
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<tr>
<td>MB&amp;B 490 or MB&amp;B 491</td>
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