Math and Statistics
Math 19A (or Math 20A) Calculus I
Math 19B (or Math 20B) Calculus II
AMS 131 Intro to Probability and Statistics
AMS 132 Statistical Interference

Chemistry
Chem 1A General Chemistry
Chem 1B/M (7 units) General Chemistry/Lab
Chem 1C/N (7 units) General Chemistry/Lab
Chem 8A Organic Chemistry
Chem 8B Organic Chemistry

Biology and Bioengineering
BIOL 20A Cell & Molecular Biology
BIOE 20B Developmental & Physiology
BME105 (or BIOL 105) Genetics

Bioinformatics
BME 110 Computational Biology Tools
BME 160/L (6 units) Research Programming/Lab
BME 163* Applied Visualization and Analysis

Humanities
BME 80G Bioethics OR BME 18 Sci Principles of Life

Elective
BIOL 115, METX 119, BIOC 100C, BME 122H, BME 128, BME 128L, BME 130, BME 132, BME 140, BME 155, BME 170, BME 177, BME 178, or 5-unit BME grad course (e.g. BME 230B)§

One of the above:

Bioinformatics Capstone
BME 205 Bioinformatics Models and Algorithms
BME 230A Computational Genomics and Systems Biology
BME 230B Computational Genomics and Systems Biology (Not required but recommended)

BME students may do the BINF capstone. BINF students MUST do the BINF capstone.
The approved catalog copy for bioinformatics for 2018-19 requires Math 21 or 22 or 23A or AMS10 and does not require BME 163, but we advise replacing the math course with BME 163.

Not including BME 205 or BME 230A

Or CMPS 5J+11 or CMPE 12/L+13/L

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Student Name:

Staff Advisor Signature: