

## Biochemistry (BS) Curricular Guide for Degree in Three (Revised for 2021-22)

### First Year

#### Fall

| Course    | Description               | Cr |
|-----------|---------------------------|----|
| Chem 111  | General Chemistry I       | 3  |
| Chem 111L | General Chemistry Lab I   | 1  |
| Biol 121  | Biological Sciences I     | 3  |
| Biol 121L | Biological Sciences I Lab | 1  |
| Engl 101  | Composition               | 4  |
| Univ 101Q | First Year Experience     | 3  |
| CE        | Elective (e.g. PALS)      | 1  |
|           |                           | 16 |

#### Spring

| Course    | Description               | Cr        |
|-----------|---------------------------|-----------|
| Chem 112  | General Chemistry II      | 3         |
| Chem 112L | General Chemistry Lab II  | 1         |
| Biol 122  | Biological Sciences I     | 3         |
| Biol 122L | Biological Sciences I Lab | 1         |
| Engl 102  | Comp & Critical Reading   | 4         |
| CE        | Core or Elective          | 3         |
| CE        | Core or Elective          | 3         |
|           |                           | 18        |
|           |                           | <b>34</b> |

#### Summer I

| Course   | Description | Cr |
|----------|-------------|----|
| Math 160 | Calculus I  | 4  |
|          |             | 4  |

#### Summer II

| Course    | Description               | Cr       |
|-----------|---------------------------|----------|
| Stat 201  | Elementary Statistics     | 3        |
| Stat 201L | Elementary Statistics Lab | 1        |
|           |                           | 4        |
|           |                           | <b>8</b> |

### Second Year

#### Fall

| Course      | Description                  | Cr |
|-------------|------------------------------|----|
| Chem 331    | Organic Chemistry I          | 3  |
| Chem 331L   | Organic Chemistry Lab I      | 1  |
| Biol 350    | Genetics                     | 3  |
| Biol 350L   | Genetics Lab                 | 1  |
| Phys 205    | Intro Physics for Life Sci I | 3  |
| Phys 205L   | Intro Phys Life Sci I Lab    | 1  |
| CE-Psyc 101 | General Psychology           | 3  |
| CE          | Core or Elective             | 3  |
|             |                              | 18 |

#### Spring

| Course     | Description                   | Cr        |
|------------|-------------------------------|-----------|
| Chem 332   | Organic Chemistry II          | 3         |
| Chem 332L  | Organic Chemistry Lab II      | 1         |
| Biol 340   | Cell Biology                  | 3         |
| Biol 340L  | Cell Biology Lab              | 1         |
| Phys 206   | Intro Physics for Life Sci II | 3         |
| Phys 206L  | Intro Phys Life Sci II Lab    | 1         |
| CE-Soc 101 | Introductory Sociology        | 3         |
| CE         | Core or Elective              | 3         |
|            |                               | 18        |
|            |                               | <b>36</b> |

#### Summer I

| Course | Description      | Cr |
|--------|------------------|----|
| CE     | Core or Elective | 3  |
|        |                  | 3  |

#### Summer II

| Course | Description      | Cr       |
|--------|------------------|----------|
| CE     | Core or Elective | 3        |
|        |                  | 3        |
|        |                  | <b>6</b> |

### Third Year

#### Fall

| Course    | Description               | Cr |
|-----------|---------------------------|----|
| Chem 351  | Biochemistry I            | 3  |
| Chem 351L | Biochemistry Lab I        | 1  |
| Chem 353  | Physical Biochemistry     | 3  |
| Chem 353L | Physical Biochemistry Lab | 1  |
| ME        | Major Elective            | 3  |
| ME        | Major Elective Lab        | 1  |
| CE        | Core or Elective          | 3  |
| CE        | Core or Elective          | 3  |
|           |                           | 18 |

#### Spring

| Course    | Description        | Cr        |
|-----------|--------------------|-----------|
| Chem 352  | Biochemistry I     | 3         |
| Chem 352L | Biochemistry Lab I | 1         |
| ME        | Major Elective     | 3         |
| ME        | Major Elective Lab | 1         |
| ME        | Major Elective     | 3         |
| ME        | Major Elective Lab | 1         |
| CE        | Core or Elective   | 3         |
| CE        | Core or Elective   | 3         |
|           |                    | 18        |
|           |                    | <b>36</b> |

**120**

**CE** Core curriculum and graduation requirements, or Electives, selected for fun or personal interests, after you have met all degree requirements. Consult catalog for required courses. Note: this sample curriculum is aspirational and can be adjusted to accommodate your level of preparation and other life commitments. Pre-medicine students preparing for the MCAT exam need to complete SOC 101 and PSYC 101, as indicated in the sample curriculum.

**ME** Major Electives for the Biochemistry degree.