

# B.S. in Bioengineering (Biomolecular Track) – Senior Checklist

Rev. 6/5/2018

| English  |       |       |
|----------|-------|-------|
| Course   | Grade | Units |
| ENGL 181 |       | 4     |
| Total    |       | 4     |

| Bioethics (Select One) |       |       |
|------------------------|-------|-------|
| Course                 | Grade | Units |
| BIOE 180*              |       | 4     |
| BIOL 171               |       | 5     |
| ENGR 19                |       | 4     |
| PHIL 27                |       | 4     |
| PHIL 117               |       | 5     |
| TESP 157               |       | 5     |
| * Also counts as a TE  |       |       |
| Total                  |       |       |

| Natural Sciences           |       |       |
|----------------------------|-------|-------|
| Course                     | Grade | Units |
| BIOL 1A                    |       | 4     |
| BIOL 1B*                   |       | 4     |
| BIOE 22                    |       | 5     |
| CHEM 11                    |       | 5     |
| CHEM 12                    |       | 5     |
| CHEM 13                    |       | 5     |
| CHEM 31                    |       | 5     |
| CHEM 32                    |       | 5     |
| PHYS 31                    |       | 4     |
| PHYS 32                    |       | 5     |
| PHYS 33                    |       | 5     |
| * Replaceable with BIOE 21 |       |       |
| Total                      |       | 52    |

| Mathematics                 |       |       |
|-----------------------------|-------|-------|
| Course                      | Grade | Units |
| MATH 11                     |       | 4     |
| MATH 12                     |       | 4     |
| MATH 13                     |       | 4     |
| MATH 14                     |       | 4     |
| AMTH 106                    |       | 4     |
| BIOE 120*                   |       | 4     |
| * Replaceable with AMTH 108 |       |       |
| Total                       |       | 24    |

| Engineering  |       |       |
|--------------|-------|-------|
| Course       | Grade | Units |
| ENGR 1       |       | 2     |
| BIOE 10      |       | 4     |
| COEN 44 / 45 |       | 5     |
| ELEN 50      |       | 5     |
| ELEN 21*     |       | 5     |
| MECH 10*     |       | 5     |
| BIOE 153     |       | 4     |
| BIOE 162     |       | 5     |
| BIOE 163     |       | 5     |
| BIOE 172     |       | 4     |
| BIOE 175     |       | 5     |
| BIOE 176     |       | 4     |
| * Select one |       |       |
| Total        |       | 48    |

| Senior Design Project |       |       |
|-----------------------|-------|-------|
| Course                | Grade | Units |
| BIOE 194              |       | 2     |
| BIOE 195              |       | 2     |
| BIOE 196              |       | 2     |
| Total                 |       | 6     |

| Technical Electives (TE) |       |       |
|--------------------------|-------|-------|
| Course                   | Grade | Units |
|                          |       |       |
|                          |       |       |
|                          |       |       |
|                          |       |       |
|                          |       |       |
|                          |       |       |
|                          |       |       |
| Total (≥16)              |       |       |
| ≥8 from BIOE             |       |       |

| Transfer Units to MS Degree |       |       |
|-----------------------------|-------|-------|
| Course                      | Grade | Units |
|                             |       |       |
|                             |       |       |
|                             |       |       |
|                             |       |       |
|                             |       |       |
|                             |       |       |
|                             |       |       |
| Total (≤20)                 |       |       |

Name \_\_\_\_\_

Student ID \_\_\_\_\_

| University Core |       |       |
|-----------------|-------|-------|
| Course          | Grade | Units |
| CTW 1           |       | 4     |
| CTW 2           |       | 4     |
| C&I 1           |       | 4     |
| C&I 2           |       | 4     |
| C&I 3           |       |       |
| RTC 1           |       | 4     |
| RTC 2           |       |       |
| RTC 3           |       |       |
| Ethics          |       |       |
| Diversity       |       |       |
| Social Science  |       |       |
| ELSJ            |       |       |
| Total           |       |       |

| Pathway          |                               |       |
|------------------|-------------------------------|-------|
| Course           | Grade                         | Units |
|                  |                               |       |
|                  |                               |       |
|                  |                               |       |
| Reflection Essay | <input type="checkbox"/> Pass | -     |
| Total (≥12)      |                               |       |

| Total Units           |    |
|-----------------------|----|
| English               | 4  |
| Bioethics             |    |
| Natural Sciences      | 52 |
| Mathematics           | 24 |
| Engineering           | 48 |
| Senior Design Project | 6  |
| Technical Electives   |    |
| University Core       |    |
| Pathway               |    |
| Free Electives        |    |
| Total (≥191)          |    |

| Academic Advisor | Date |
|------------------|------|
|                  |      |