

Requirements Sign-Off Sheet for B.S. in Chemical and Biomolecular Engineering
Students Entering Program Fall 2020 or later, Interfacial and Nanotechnology Track Checklist

Overall GPA: _____

Basic Science

| Course | Crs | Sem |
|-----------------------------------|----------|------------|
| 030.101 Intro Chem I (3) | | |
| 030.102 Intro Chem II (3) | | |
| 030.105 Intro Chem Lab I (1) | | |
| 030.106 Intro Chem Lab II (1) | | |
| 171.101 General Physics I (4) | | |
| 171.102 General Physics II (4) | | |
| 173.111 General Physics Lab I (1) | | |
| Total | 0 | /17 |

Mathematics

| Course | Crs | Sem | Grade |
|-----------------------------------|----------|------------|--------------|
| 110.108 Calculus I (4) | | | >C-? |
| 110.109 Calculus II (4) | | | >C-? |
| 110.202 Calculus III (4) | | | |
| 110.302 Diff Eqs With Applic. (4) | | | |
| Total | 0 | /16 | (min) |

Chemical Engineering Core

| Course | Crs | Sem | Grade | GPA calc |
|---|----------|------------|-------|----------|
| 540.101 Chemical Engineering Today (1) | | | | |
| 500.113 Gateway Computing Python (3) | | | | #N/A |
| 540.202 Chem & Biol Process Anal. (4) | | | | #N/A |
| 540.203 Engineering Thermo (3) | | | | #N/A |
| 540.301 Kinetic Processes (4) | | | | #N/A |
| 540.303 Transport I (3) | | | | #N/A |
| 540.304 Transport II (4) | | | | #N/A |
| 540.306 Mass Transfer/Separations (4) | | | | #N/A |
| 540.309 ⁴ ChemBE Product Design Part 1 (3) | | | | #N/A |
| 540.311 ³ Projects in Chem Eng Unit Ops (4) | | | | #N/A |
| 540.313 ³ Projects in ChemBE Unit Ops (4) | | | | #N/A |
| 540.314 ⁴ ChemBE Product Design (3) | | | | #N/A |
| 500.308 ⁴ Multidisciplinary Engineering Design (3) | | | | #N/A |
| 540.315 Process Design with Aspen (2) | | | | #N/A |
| 540.409 Modeling, Dynamics & Control (4) | | | | #N/A |
| 540.490 Intro to Chemical Process Safety (1) | | | | #N/A |
| Total | 0 | /40 | | |

ChemBE core course GPA #N/A

Advanced Chemistry/Biology

| Course | Crs | Sem |
|-------------------------------------|----------|------------|
| 030.205 Organic Chem I (4) | | |
| 020.305 Biochemistry (4) | | |
| 030.305 Phys Chem Instrum Lab I (3) | | |
| 030.452 Materials and Surface (3) | | |
| Total | 0 | /14 |

Engineering Elective Courses

| Course | Crs | Sem |
|---|----------|-----------|
| 540.310 ⁴ ChemBE Product Design Part 2 (3) | | |
| _____ | | |
| _____ | | |
| _____ | | |
| Total | 0 | /8 |

I/N Elective 1
I/N Elective 2
Elective 3

Total Engineering Credits = 0 /48 (min)

Humanities and Social Sciences (6 3-cr courses minimum)

| Course | Crs | Sem | Designator (H,S,etc.) |
|--|----------|------------|-----------------------|
| 661.315 Culture of Eng. Profession (3) | | | SW |
| _____ | | | |
| _____ | | | |
| _____ | | | |
| _____ | | | |
| _____ | | | |
| Total | 0 | /18 | (min) |

Undesignated Electives

| Course | Crs | Sem |
|--------------|----------|------------|
| _____ | | |
| _____ | | |
| _____ | | |
| _____ | | |
| _____ | | |
| Total | 0 | /15 |

(can be <15)

Total Credits 0 /128 (min)

Advanced H/S Course: _____

Writing Intensive Course: _____

Date: _____ Student Signature: _____

Student's Name (printed): _____

Date: _____ Advisor Signature: _____

Advisor's Name (printed): _____

At the conclusion of every advising meeting, return the form (signed and dated) to the mailbox of the UG Academic Coordinator in

Notes:

1. Students must complete at least one of those courses
2. Students must complete at least one of those courses
3. Students must complete only one of these courses
4. Students must complete either the a one-semester