Requirements Sign-Off Sheet for B.S. in Chemical and Biomolecular Engineering
Students Entering Program Fall 2020, General Checklist (no track)

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)	

Advanced Chemistry/Biology

Course		Crs	Sem
030.205	Organic Chem I (4)		
020.305	Biochemistry (4)		
020.306	[1]Cell Biology (4)		
540.307	[1]Cell Biology for Engineers (3)		
	[1]Adv. Chem Bio Elective (3)		
030.225	[2]Intro Organic Chem Lab (3)		
030.305	[2]Phys Chem Instrum Lab I (3)		
020.315	[2]Biochemistry Project Lab (1)		
250.253	[2] Protein Eng Biochem Lab (3)		
	Total	*0*	*/14* (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)

Advanced H/S Course: _____

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

Engineering Elective Courses

Course		Crs	Sem	
540.310	[4]ChemBE Product Design Part 2 (3)			
				Elective 1
				Elective 2
				Elective 3
	Total	*0*	*/8*	
	Total Engineering Credits =	***0***	***/48 (min)***	

Undesignated Electives

Course		Crs	Sem
	Total	*0*	*/15* (can be <15)

Total Credits ***0*** ***/128*** (min)

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 Maryland 224A.

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 course (540.314 or 500.309) or the yearlong option (540.309-310)