

Dept. of Chemical and Biomolecular Engineering

Call 574-631-4890 to make appointment with Pre-Pro advisor.

Center for Health Sciences Advising 219 Jordan Hall

Pre-Med Curriculum

	Fall		Spring	
Freshman	MATH 10550, Calculus 1	4	MATH 10560, Calculus 2	4
	CHEM 10171/11171 Intro to Chem	4	CHEM 10172/11172, Organic Chem 1	4
	EG 10111, Intro to Eng	3	EG 10112, Intro to Eng	3
	A & L 1 PSY 10000 Intro to Psych	3	PHYS 10310/11310, Gen Physics 1 + lab	4
	Writing & Rhetoric or Univ. Sem.	3	Arts & Letters Course 3	3
	Moreau First Year Experience	1	Moreau First Year Experience	1
		18		19

Either summer before Jr. year (not offered summers at ND) : BIOS 20201 Bio A + lab & BIOS 20202 Bio B +Lab Or seek override from FYS to take the Freshman Intro to Biology course sequence during the academic
4 cr. each: Bio A=tech elective, Bio B= 2nd tech elective

Sophomore	MATH 20550, Calculus 3	3.5	MATH 20580, Linear ODEs	3.5
	CHEM 20273, Organic 2 + LAB (fall only)	4	CBE 20260, Thermodynamics 1	3
	CBE 20255, Intro to Chem Eng	3	CBE 20258, Numerical & Statistical Analy	3
	PHYS 10320, Gen Physics 2 + Lab	4	Arts & Letters Course 4	3
	^Sociology or Anthro	3	CBE 30361, Materials	3
		17.5	*CBE 20290, Career Choices Eng	1
				15.5 16.5

Option to attend Imperial to complete CBE 31358 and a CBE Elective

Junior	MATH 30650, Differential Eq	3	CHEM 30324, Pchem	3
	CHEM 30333/31333 Achem & Lab	4	CBE 30338, Chem Proc Control	3
	CBE 30355 Transport 1		CBE 30356, Transport 2	3
	or CBE 30357 Biotransport	3	CBE 31358, Chem Eng Lab 1	3
	CBE 30367, Thermo 2	3	Arts & Letters Course 5	3
	***CHEM 40420 Biochemistry	3	or BIOS 30341 - Cell Biology	
	Arts & Letters Course 5	3	**SCPP 40001 App. to health profession	1
	or BIOS 30341 - Cell Biology			16
	19			

Senior	CBE 40443, Separations	3	CBE 40448, Process Design	3
	CBE 40445, Reaction Engineering	3	^^CBE Elective	3
	*CBE 41910 Biomolecular Eng Lab +	3	Arts & Letters Course 7	3
	CBE 40910		Arts & Letters Course 8	3
	^^CBE Elective	3		12
	Arts & Letters Course 6	3	*Recommended	
	15	**Strongly recommended		

Total credits: 140.0 (includes 8 cr. from Bio A/B sequence)

*****Pre-med intents, Biomolecular Concentration and Bioengineering Minors take instead of CBE 41459**

^ Check the admissions criteria on your target school's website

^^ CBE Elective Recommendations: CBE40487 Drug Development & CBE 40325 Immunoengineering

Talk to your pre-pro advisor about planning for a gap/enrichment year