

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

Calc I AP Credit 3 Calc II AP Credit 3

Pre-Med Curriculum

	Fall		Spring	
Freshman	PHYS 10310/11310, Gen Physics 1 + lab	4	CBE 20255, Intro to Chem Eng	3
	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	MATH 20550, Calculus 3	3.5
	Writing & Rhetoric or Univ. Sem.	3	Arts & Letters Course 3	3
	Moreau First Year Experience	1	Moreau First Year Experience	1
	18		17.5	

**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 year.**

4 cr. each: Bio A=tech elective, Bio B= 2nd tech elective

Sophomore	MATH 20580, Linear ODEs	3.5	MATH 30650, Differential Eq	3
	CHEM 20273, Organic 2 + LAB (fall only)	4	CBE 20258, Numerical & Statistical Analysis	3
	CBE 20260, Thermodynamics 1	3	CBE 30367, Thermo 2	3
	PHYS 10320, Gen Physics 2 + Lab	4	Arts & Letters Course 4	3
	Sociology or Anthro***	3	*CBE 20290, Career Choices Eng	1
	17.5		*14/ 13	

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

Junior	CHEM 30333/31333 Achem & Lab	4	CHEM 30324, Pchem	3
	CBE 30355 Transport 1 or CBE 30357 Biotransport	3	CBE 30338, Chem Proc Control	3
	CBE 30361, Materials	3	CBE 30356, Transport 2	3
	CHEM 40420 Biochemistry	3	CBE 31358, Chem Eng Lab 1	3
	Arts & Letters Course 5	3	Arts & Letters Course 5	3
	or BIOS 30341 - Cell Biology		or BIOS 30341 - Cell Biology	
	16		*SCPP 40001 App. to health professions	1
			15	

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

Total credits: 138.0 (includes 8 cr. from Bio A/B sequence)

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

**** A&L 5 must be taken during another semester.**

***** Some schools (like IU) don't accept anthro.**

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**Check the admissions criteria on your target schools' websites for most accurate course planning.
Talk to your pre-pro advisor about planning for a gap/enrichment year**