

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

Center for Health Sciences Advising 219 Jordan Hall

Calc I AP Credit 4 Calc II AP Credit 4

**Off Sequence Pre-Pro: Example Entering with Calc I Calc II complete**

	<b>Fall</b>		<b>Spring</b>	
<b>Freshman</b>	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
	<b>A &amp; L 1 PSY 10000 Intro to Psych</b>	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
		<u>18</u>		<u>17.5</u>

**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

<b>Sophomore</b>	MATH 20580, Linear ODEs	3.5	MATH 30650, Differential Eq	3
	CHEM 20273, Organic 2 + <b>LAB (fall only)</b>	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
	<b>^Sociology or Anthro</b>	<b>3</b>	*CBE 20290, Career Choices Eng	1
		<u>17.5</u>		<u>12</u>
				<u>13</u>

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

<b>Junior</b>	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
	<b>***CHEM 40420 Biochemistry</b>	<b>3</b>	CBE 31358, Chem Eng Lab 1	3
	<b>Arts &amp; Letters Course 5</b>	<b>3</b>	<b>Arts &amp; Letters Course 5</b>	<b>3</b>
	<b>or BIOS 30341 Cell Biology</b>		<b>or BIOS 30341 Cell Biology</b>	
		<u>16</u>	<b>**SCPP 40001 App. to health professions</b>	1
				<u>16</u>

<b>Senior</b>	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		<u>12</u>
		<u>15</u>	*Recommended	
			**Strongly recommended	

Total credits: 140 (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 schools' website**

**^^ CBE elective recommendations: CBE 40487 Drug Development & CBE 40325 Immunoengineering**

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