

**Sample Roadmap - Course XENG (there are alternative paths, of course, in this flexible degree!)**

First-semester Sophomore Entry, no advanced credits

Year 1 - Fall	Subject #	Subject Title	Units	GIR	Year 1 - Spring	Subject #	Subject Title	Units	GIR
		GIR Mathematics	12	CALC I			GIR Mathematics	12	CALC II
		GIR Physics	12	PHYS I			GIR Biology	12	BIO
		GIR Chemistry	12	CHEM			HASS (CI-H/CI-HW)	12	HASS, CI-H
		HASS	12	HASS			Unrestricted elective	12	
			48					48	
<b>Year 2 - Fall</b>		HASS	12	HASS	<b>Year 2 - Spring</b>		HASS (CI-H)	12	HASS, CI-H
	18.03	Differential Equations	12	REST			Foundation Concepts #2	12	LAB
	5.601	Thermo and Kinetics	6	Dept		10.213	Thermodynamics	12	Dept
	10.10	Intro ChE	12	Dept		10.301	Fluid Mechanics	12	REST
		Unrestricted elective	6						
			48					48	
<b>Year 3 - Fall</b>		HASS	12	HASS	<b>Year 3 - Spring</b>		HASS	12	HASS
		Track Subject #1	12				Track Subject #2	12	
	10.302	Heat and Mass Transport	12	Dept			GIR Physics	12	PHYS II
		Foundation Concepts #1	15	CI-M		10.37	Reaction Engineering	9	Dept
							Unrestricted elective	6	
			51					51	
<b>Year 4 - Fall</b>		HASS	12	HASS	<b>Year 4 - Spring</b>		HASS	12	HASS
		Track Subject #3	12				Track Subject #4	12	
		Unrestricted elective	12				Unrestricted elective	12	
		Foundation Concepts #3	12	CI-M		10.x	Capstone	12	Dept
			48					48	

load 390  
less GIRs 186

rev. 2021 May 18

**Pre-Requisite Stack**

Subject	Pre-requisites
10.10	PHYS1, CHEM; 18.03 co-req
10.213	10.10, 5.601
10.301	10.10, 18.03
10.302	10.213, 10.301, 5.601
10.37	10.301, 5.601