

### Sample Roadmap - Course X (there are alternative paths, of course!)

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			5.12	Organic Chemistry	12	Dept
			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			5.310	Institute Laboratory	12	LAB
	5.60	Thermo and Kinetics	12	REST			10.213	Thermodynamics	12	Dept
	10.10	Intro ChE	12	Dept			10.301	Fluid Mechanics	12	Dept
								Unrestricted elective	6	
			48						54	
<b>Year 3 - Fall</b>		HASS	12	HASS		<b>Year 3 - Spring</b>		HASS	12	HASS
	5.x	Adv chemistry elective	12	Dept			10.37	Reaction Engineering	9	Dept
	10.302	Heat and Mass Transport	12	Dept			10.26,7,9	Project Laboratory	15	CI-M
		Unrestricted elective	12				10.32	Separations	6	Dept
								Unrestricted elective	12	
			48						54	
<b>Year 4 - Fall</b>		HASS	12	HASS		<b>Year 4 - Spring</b>		HASS	12	HASS
		Elective Laboratory	15	CI-M			10.x	Restricted elective	6	Dept
		Unrestricted elective	6					Unrestricted elective	12	
	10.490	Integ Chemical Engr	9	Dept			10.494A	Design Elective	6	Dept
	10.x	ChE Restricted Elective	9	Dept				GIR Physics	12	PHYS II
			51						48	

load 399  
less GIRs 195

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## Pre-Requisite Stack

Subject	Pre-requisites
10.10	CALC1, PHYS1, CHEM
10.213	10.10, 5.60
10.301	10.10, 18.03
10.302	10.213, 10.301, 5.60
10.32	10.213, 10.302
10.37	10.301, 5.60
10.28*	(5.07 or 7.05), LAB
10.26,7,9*	10.302, LAB
10.490	10.37
10.492,3,4	10.301

\* Choose one of 10.26, 27, 28, or 29