lam	ne:			UF ID: Date:						
ma	il Address:									
Bachelor of Science in Chemical Engineering Curriculum Plan (FTIC: F24 or Later, State Core, Quest)										
			Pre-Health Track		(Antalan					
			More course information is available at							

 $Students\ must\ maintain\ satisfactory\ progress\ (\textit{minimum\ GPA\ of\ 2.0})\ in\ Chemical\ Engineering\ (ChE)\ courses\ and\ overall\ UF\ record.$

^{*} Pre-professional Calculus GPA, minimum overall GPA 2.5 required (note: a C+ = 2.33), all attempts calculated; individual class minimum grade: C.

** Pre-professional Critical Tracking course, minimum overall GPA 2.5 required (note: a C+ = 2.33); individual class minimum grade: C.

 $^{^{\}prime}\,\mathrm{A}\,\mathrm{minimum}$ grade of "C" is required to pass this course.

<u>CP</u>	<u>Course</u>	<u>Cr</u>	<u>Course Title</u>	<u>Term To</u> <u>Be Taken</u>	<u>Comments</u>		
			Suggested Semester 5				
3	ECH3203	3	Fluid and Solid Operations - F, S [†]		Must earn a grade of C or better within two attempts (including drops and withdrawals)		
3	ECH3223	3	Energy Transfer Operations - F, S [†]		Must earn a grade of C or better within two attempts (including drops and withdrawals)		
3	ECH4123	3	Phase and Chemical Equilibria – F, S				
	ENC1101	3	Expository and Argumentative Writing State Core GE-C [†]		Must earn a grade of C or better for 6K words†		
	CHM2210	3	Organic Chemistry 1 [†]				
	EEL3003	3	Elements of Electrical Engineering – <i>F, S, Sum A</i> (or <u>CGN 3710</u> Experiment & Instrumentation in Civil Engineering – <i>F, S</i>)				
Term	Credits	18	15 credits total if ENC1101 is satisfied by AP, IB, or dual enrollment or taken in the summer afi	ter semester 8			
7 (7777)	Creares	120	Suggested Semester 6				
4 or 5	ECH4403	3	Separation and Mass Transfer Operations – F, S				
4	ECH4224L	2	Fluid and Energy Transfer Operations Lab – F, S*		To receive 6K words [†] , you must earn a C or better; Must immediately follow the completion of ECH3203 and ECH3223; Prerequisite is STA2023/STA3032.		
4	ECH4714	3	Chemical Process Safety – F, S [†]		Must be taken before <u>or</u> with ECH4224L		
	ENC3246	3	Professional Communication for Engineers GE-C		To receive 6K words†, you must earn a C or better; Must be taken before <u>or</u> with ECH4224L		
	CHM2211	3	Organic Chemistry 2		Must earn a grade of C or better in CHM2210.		
	CHM2211L	2	Organic Chemistry 2 Lab				
Term	Credits	16					
			Consider a Summer Internship/Co-op or Research Experiences for	r Undergra	duates (REU)		
Suggested Semester 7							
5	ECH4504	4	Chemical Kinetics and Reactor Design – F, S				
5	ECH4604	3	Process Economics and Optimization – F, S				
	ECH4824	2	Materials of Chemical Engineering – F, S		Can be taken after ECH3264		
	Quest 2	3	Quest 2 (Gen Ed Social & Behavioral Sciences) GE-S [†]				
	Tech Elective	4	BCH4024 (Introduction to Biochemistry and Molecular Biology) <u>or</u> CHM3218 (Organic Chemistry/Biochemistry 2)				
Term	Credits	16		I.			
Suggested Semester 8							
	ECH4323	3	Process Control Theory – F, S		Can be taken after COT3502		
	ECH4323L	1	Process Control Laboratory – F, S		Can be taken after COT3502; Must take with ECH4323		
6	ECH4644#	3	Process Design –F, S				
	ChE Tech Elective	3	Chemical Engineering Technical Elective		Recommend BME3406		
	ECH4404L	2	Separation and Mass Transfer Operations Lab – F, S*		To receive 6K words [†] , you must earn a C or better; ECH4224L must be taken before.		
	Gen Ed-HS	3	State Core Gen Ed Humanities <i>GE-S</i> [†]				
	Gen Ed-HS	3	State Core Gen Ed Social and Behavioral Sciences <i>GE-S</i> [†]				
			<u>FE Exam</u>		Licensure Process for Professional Engineers (PE) Certification		
Term	Credits	18					
BSCHE Credits		130					
	+						

[†]A minimum grade of "C" is required.

Semester Legend: F = Fall, S = Spring, and Sum = Summer

Take <u>Critical Path</u> courses 1-6 in sequence; 1-3 (with the exception of ECH4123) require a minimum grade of "C" within 2 attempts (a drop or withdrawal is an a t t e m p t).

<u>Technical Electives (Tech Elective)</u>: 3000+ level courses in science, mathematics, or engineering with significant technical quantitative content.

<u>Chemical Engineering Technical Elective (ChE Tech Elective):</u> At least 3 cr. of ECH3XXX+ course, includes BME courses offered through CHE and ECH graduate courses. May include <u>up to 3 credits</u> of ChE non-course work (ECH4905, ECH4948, ECH4949, EGN4912). Courses must be offered through the ChE Department.

[✓]If not already completed, include GE-S or GE-H with Diversity or International component.

[•] A minimum grade of "C" is required to earn General Education Writing credit.

[#] IPPD Program - The option of a two-semester program in your senior year that can be substituted in for 3 credits of Technical Elective with EGN4951 in Fall and 3 credits of ECH4644 with EGN4952 in Spring.