

CHEMICAL ENGINEERING FOUR YEAR PLAN (136 credits)

2022-2023

FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MATH 1510 (4) Calc. I <u>MATH 1230 & 1240¹</u>	MATH 1520 (4) Calc. II <u>MATH 1510¹</u>	MATH 2532 (4) Calc. III <u>MATH 1520¹</u>	MATH 335 (3) Diff. Equations <u>MATH 1520¹</u>	ES 350 (3) Heat & Mass Xfer <u>ES 216, ES 347</u> <u>MATH 335</u>	CHE 345L (1)** Junior Design <u>ES 347, CHE 326</u> <i>ES 350</i>	CHE 461 (3)* Chem. Plant Des. I <u>CHE 351 & 352</u>	CHE 462 (3)** Chem. Plant Des. II <u>CHE 461</u>
CHE 110 & L (2)* Intro. To CHE	PHYS 1310 & L (5) Gen. Phys. I <i>MATH 1510</i>	CHE 326 (3)* Prin. Of CHE I <u>CHEM 1215</u> <i>MATH 1520</i>	CHE 327 (3)** Prin. Of CHE II <u>CHE 326</u> <i>MATH 2532</i>	CHE 349 (3)* CHE Thermo. <u>MATH 2532</u> <u>PHYS 1310, CHEM 1215</u>	CHE 351 (3)** Chem. Proc. Kin. <u>CHE 326 & 349</u> <u>MATH 335, ES 350</u>	CHE 445L (1)* Unit Ops Lab <u>CHE 351 & 352</u>	ES 332⁴ (3) Elec. Eng <u>PHYS 1320, MATH 1520</u>
CHEM 1215 & L (4) Gen. Chem. I <u>MATH 1220¹</u>	CHEM 1225 & L (4) Gen. Chem. II <u>CHEM 1215&L</u> <i>MATH 1510</i>	ES 201 (3) Statics <u>PHYS 1310</u> <i>MATH 2532</i>	ES 216 (3) Fluid Mechanics <u>PHYS 1310</u> <i>MATH 2532</i>	ES 302 (3) Mech. Of Materials <u>ES 201, MATH 2532</u>	CHE 352 (3)** Separation Proc. <u>CHE 326 & 349</u> <i>ES 350</i>	CHE 371 (3)* Sol. Meth. CHE <u>CHE 327, 351, & 352</u>	CHE 443 & L (3)** Proc. Dyn. & Cont. <u>MATH 335</u> <i>CHE 371</i>
ENGL 1110 (3) College Writ. I	ENGL 1120 (3) College Writ. II <u>ENGL 111²</u>	CHEM 311 & L (4)* Quantitative Analy. <u>CHEM 1225¹</u>	ES 347 (3) Thermodynamics <u>CHEM 1225, PHYS 1310</u> <u>MATH 1520</u>	ES 405L (1) Inst., Meas., Lab <u>CHE 327, PHYS 1320</u>	MTLS 202³ & L (4) Materials Eng. <u>CHEM 1225</u>	CHE 485 (1)* Senior Seminar <u>Senior Standing</u>	Eng./Tech Elec. (3)
Hum/SS/FA (3)		Hum/SS/FA (3)	PHYS 1320 & L (5) Gen. Phys. II <u>PHYS 1310</u> <i>MATH 1520</i>	CHEM 331 & L (4)* Phys. Chem. I <u>CHEM 1225¹</u> <u>PHYS 1320, MATH 1520</u>	ENGL 341 (3) Tech. Writing <u>ENGL 1110 & 1120²</u>	Eng./Tech Elec. (3)	Hum/SS/FA (3)
				Hum/SS/FA (3)	Eng./Tech Elec. (3)	CHEM 333 & L (4)* Org. Chem. I <u>CHEM 1225¹</u>	
					Eng./Tech Elec. (3)	Hum/SS/FA (3)	



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KEY: The four lines for each course include: the course number and number of credits (line 1), abbreviated course title (line 2), and pre- and corequisites (lines 3&4).

¹ Requires pre-req is passed with a C- or better

² Requires pre-req is passed with a C or better

³ MTLs 202&L may be replaced by MTLs 235&L

⁴ EE 211 may be substituted for ES 332. Note that ES 211 is a fall only course.

* Fall Only, ** Spring Only

Pre-requisites are denoted by underline.

Corequisites are denoted by italics.

NAME: _____
