

Chemical Engineering (ChE) 4-Year Curriculum Plan

Year	FALL SEMESTER	Units
1	MATH 30 CALCULUS I (P)	3
	CHEM 1A GEN. CHEM	5
	ENGL 1A COMPOSITION (P)	3
	ENGR 10 PROC. & ANALYSIS	3
2	SEMESTER TOTAL	14
	MATH 32 CALCULUS III	3
	MATE 25 INTRO. TO MATERIALS	3
	PHYS 51 GEN. PHYSICS.	4
	AMS 1A	6
	WRITING SKILLS TEST	0
3	SEMESTER TOTAL	16
	CHEM 112A ORGAN. CHEM. I	3
	CHE 115 INDUS.CHEM.CALCS. (JR)	3
	CHE 190 INTRO. TRANSPORT. (JR)	3
	CHE 162 STATISTICS & ANALYSIS	3
	TECH ELECTIVE	3
4	SEMESTER TOTAL	15
	CHEM 112B ORGAN. CHEM. II	3
	Engr 195A	1
	CHE 158 KINETICS & RXNS. (SR)	3
	CHE 160B UNIT OPER. II (SR)	4
	CHE 161L UNIT OPS. LAB (SR,100W)	2
	CHE 161 SAFETY & ETHICS	1
SEMESTER TOTAL	14	

SPRING SEMESTER	Units
MATH 31 CALCULUS II	4
CHEM 1B GEN. CHEM	5
PHYS 50 GEN. PHYSICS (P)	4
ENGL 1B COMPOSITION	3
SEMESTER TOTAL	16
MATH 133A ORD. DIF. EQN	3
CE 99 STATICS	2
EE 98 INTRO. CIRCUIT ANAL.	3
AMS 1B	6
SEMESTER TOTAL	14
CHE 151 THERMODYNAMICS	4
CHE 160A UNIT OPERATIONS I	4
ENGR 100W ENGR. REPORTS (WST)	3
CHEM 113A ORGAN.CHEM.LAB	2
GE (ORAL COMMUNICATION)	3
SEMESTER TOTAL	16
CHE 162L UNIT OPS. LAB (100W)	1
CHE 165 PLANT DESIGN	4
CHE 185 PRO. DYN. & CONT.	3
TECH ELECTIVE	3
TECH ELECTIVE	3
Engr 195B	1
SEMESTER TOTAL	15

TOTAL 120

NOTES: FOOTNOTES	MEANING
(P)	MUST TAKE PLACEMENT EXAM TO ENTER THIS COURSE
(JR)	MUST COMPLETE CHEM 1B, MATH 133A, AND PHYS 51, AND CE 99 TO START THIRD YEAR CHE COURSES, no course less than a C
(WST)	MUST PASS THE WRITING SKILLS TEST TO ENTER THIS COURSE
(100W)	MUST PASS ENGR 100W TO PRIOR TO STARTING THIS COURSE
(SR)	MUST HAVE "C" AVERAGE FOR THIRD YEAR COURSES (CHE 115, CHE 151, CHE 160A, CHE 162 AND CHE 190) and no