

PAPER ENGINEERING											2020-2021				
Cr. Hrs	SEM 1	Cr. Hrs	SEM 2	Cr. Hrs	SEM 3	Cr. Hrs	SEM 4	Cr. Hrs	SEM 5	Cr. Hrs	SEM 6	Cr. Hrs	SEM 7	Cr. Hrs	SEM 8
4	MATH 1220 or 1700 Calculus I (F, Sp, Sul, Sull)	4	MATH 1230 or 1710 Calculus II (F, Sp, Sul, Sull)	3+ 1	CHEM 3750/3760 Organic Chemistry I (L) (F, Sp)	4	MATH 2720 Multivariate Calculus (F, Sp, Sul, Sull)	3	CHEM 4300 Physical Chemistry I (L) (F)	4	MATH 3740 Differential Equations (F, Sp, Sull)	1	CHEG 3810 Computer Modeling and Simulation (L) (F)	3	PAPR 4300 Surface and Wet End Science (Sp)
	MATH 1180 ≥ C or placement		MATH 1220 or 1700 ≥ C		CHEM 1120/1130 ≥ C		MATH 1230 or 1710 ≥ C		PHYS 2050/2060 + 2070/2080 ≥ C MATH 2720 ≥ C CHEM 1120/1130 ≥ C		MATH 2720 ≥ C		CHEG 2960 ≥ C		CHEM 3750/3760 ≥ C
3+1	CHEM 1100/1110 Gen. Chemistry I (L) (F, Sp, Sul, Sull)	3+ 1	CHEM 1120/1130 Gen. Chemistry II (L) (F, Sp, Sul, Sull)	4+ 1	PHYS 2050/2060 University Physics I (L) (F, Sp, Sul)	4+ 1	PHYS 2070/2080 University Physics II (L) (F, Sp, Sull)	3	CHEG 3110 Unit Operations in Chemical Engineering I (L) (F)	3	CHEG 3120 Unit Operations II (L) (Sp)	4	CHEG 4830 Process Control I (L) (F)	1	CHEG/GPS 4400 Seminar (Sp)
	MATH 1110 ≥ C or placement		CHEM 1100/1110 ≥ C		MATH 1220 or 1700 ≥ C		PHYS 2050 ≥ C MATH 1230 or 1710 ≥ C		CHEG 2960 ≥ C		CHEG 3110 ≥ C		CHEG 3120 ≥ C PHYS 2070 ≥ C MATH 3740 ≥ D		Junior Standing
3	IEE 1020 Technical Comm. (F, Sp)	2	CHEG 1810 Intro to Eng. Comp. (L) (F, Sp)	3	IEE 2610 Engineering Statistics (L) (F, Sul)	4	CHEG 2960 Material and Energy Balance (L) (F, Sp)	4	PAPR 3030 Pulping and Bleaching (L) (F)	3	PAPR 3330 Carbohydrate & Lignin Chem (L) (Sp)	3	PAPR 4600 Plant Economics and Project Design (L) (F)	3	CHEG 4870 Senior Design Project
	ENGL 1000 or placement		MATH 1180 ≥ C PAPR 1000 ≥ C or CHEG 1010 ≥ C		MATH 1220 or 1700 ≥ C		MATH 1230 and CHEM 1100 ≥ C Co-reqs CHEG 1810 and PHYS 2050		CHEG 2960 ≥ C CHEM 3750 ≥ C		PAPR 3030 ≥ C CHEM 3750/3760 ≥ C		CHEG 3120 ≥ C PAPR 3030 ≥ C CHEG 3810 ≥ C or taking concurrently		PAPR 4600 ≥ C
3	PAPR 1000 Introduction to Pulp and Paper Manufacture (L) (F)	4	PAPR 2040 (L) (Sp)	4	PAPR 2550 Paper Physics Fundamentals (L) (F)	3	CHEG 2611 Environmental Engineering (F, Sp)	3	WES Level II Artistic Theory & Practice	3	CHEG 3300 Mass Transfer	1	PAPR 4400 Seminar (F)	2	CHEG 4810 Unit Operations Lab (L) (F, Sp)
	Co-requisite CHEM 1100/1110		PAPR 1000 ≥ C or PAPR 1040 ≥ C		PAPR 2040 ≥ C Co-requisite IEE 2610 or STAT 3640		CHEM 1100/1110 ≥ C MATH 1230 or 1710 ≥ C				CHEG 3120 ≥ C or taking concurrently		Junior Standing		CHEG 3120 ≥ C IEE 2610 ≥ C CHEG 3300 ≥ C
3	WES Level I Inquiry & Engagement	3	WES Level II Personal Wellness	3	WES Level II World Language & Culture	3	ELECTIVE**	3	WES Level II Societies and Culture	3	ELECTIVE**	4	ELECTIVE**	3	ELECTIVE**
													3	ELECTIVE**	
														3	WES Level III Global Perspectives
	17 hours		17 hours		19 hours		19 hours		16 hours		16 hours		16 hours		15 hours
															133 total hours

NOTE: Prerequisite courses are shown in smaller print.

*See your academic advisor for general education requirements.

27 Cr. Pre-Engineering Req. 86 Cr. Paper Req. 15 Cr. WES Req. 17 Cr. Electives

		PHYS 2070 ≥ C					
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