SPRING •NE 585 (3) **Nuclear Engineering** Design Projects

PR: ME 574, NE 690, NE 612, NE 630, NE 650

•NE 648 (3) **Nuclear Reactor** Laboratory

PR: NE 630, NE 612 *Elective (3) **Arts and Humanities**

KSC-6 ME 570 (4) Control of Mechanical Systems I PR: MATH 340, ME 512, ME 400 or NE 415 PR/CO: ME 535 or NE 612

*Elective (3) Social and Behavioral Sciences

KSC-5

FALL YEAR 1 SPRING		FALL YEA	FALL YEAR 2 SPRING		FALL YEAR 3 SPRING		FALL YEAR 4	
*MATH 220 (4) Analytic Geometry and Calculus I	*MATH 221 (4) Analytic Geometry and Calculus II	MATH 222 (4) Analytic Geometry and Calculus III	MATH 340 (4) Elementary Differential Equations	CE 533 (3) Mechanics of Materials	ME 571 (3) Fluid Mechanics	ME 574 (3) Principles of Engineering Design PR: ME 571, ME 535 or NE 612,	•NI Nucle Des	
KSC-3	PR: MATH 220 ≥C	PR: MATH 221 ≥ C	PR: MATH 221 ≥ C	PR: MATH 221, CE333≥Cor530≥C	PR: ME 512 or CE 530, MATH 222 PR/C0: ME 513 or ME 310	ME 533 or NE 690 PR/CO: ENGL 200	PR: ME 5	
CHM 210 (4) Chemistry I	*PHYS 213 (5) Engineering Physics I KSC-4 PR/CO: MATH 220	PHYS 214 (5) Engineering Physics II PR: PHYS 213 PR/CO: MATH 221	CE 333 (3) Statics PR: MATH 221, PHYS 213	ECE 519 (3) Electric Circuits for Engineers PR: PHYS 214	NE 650 (3) Nuclear Fuel Cycles PR: MATH 340, NE 415	ME 573 (3) Heat Transfer PR: MATH 340, ME 571, ME 400 or NE 415	●NI Nuc L PR:	
ME 212 (2) Engineering Graphics	CHE 354 (1) Basic Concepts in Materials Science and Engineering (5-week class)	CIS 209 (3) Computer Programming for Engineers (Python)	ME 513 (3) Thermodynamics I	ME 512 (3) Dynamics	• NE 612 (3) Principles of Radiation Detection	• NE 630 (3) Nuclear Reactor Theory	*Ele	
PR/CO: MATH 205 or 220	PR: CHM 210, PR/CO: PHYS 213	PR: MATH 220 ≥ C	PR: MATH 221, PHYS 213	PR: CE 333; PR/CO: MATH 340	PR: NE 495	PR: NE 495, MATH 340		
DEN 160 (1) College of Engineering Orientation	CHE 355 (1) Fundamentals of Mechanical Properties (5-week class) PR: CHE 354	NE 495 (3) Elements of Nuclear Engineering PR: MATH 221, PHYS 213	NE 415 (3) Introduction to Engineering Analysis PR: NE 495; PR/CO: MATH 340	• NE 690 (3) Radiation Protection and Shielding PR: NE 495, PHYS 214, MATH 340	ME 400 (3) Computer Applications in Mechanical Engineering PR/CO: MATH 340	• NE 640 (3) Nuclear Reactor Thermal Hydraulics PR: NE 495; PR/CO: ME 573	Mecha PR: M PR/CC	
DEN 161 (1) Engineering Problem Solving PR/CO: MATH 150	*COMM 106 (3) Public Speaking KSC-2	IMSE 250 (2) Introduction to Manufacturing Processes and Systems	MATH 551 (3) Applied Matrix Theory PR: MATH 220	* Elective (3) Social and Behavioral Sciences KSC-5	ME 533 (3) Machine Design I	*Elective (3) Arts and Humanities KSC-6	*Ele Social	
*ENGL 100 (3) Expository Writing I	*ENGL 200 (3) Expository Writing II	PR/CO: MATH 220	PR: MAITI ZZU	IMSE 530 (2) Engineering Economic Analysis	of the fact that students can	n efficient way to get both the ME and NE degree count 6 required hours towards their institution	al elective	

degrees. It takes advantage tutional electives. Dual Degree maps can vary between student to student. Please use this as a guide as you talk to your advisor.

(15 credit hours) (17 credit hours) (17 credit hours) (16 credit hours) (15 credit hours) (15 credit hours) (16 credit hours) (17 credit hours)



KSC-1

KSC-1

Prerequisite for another course PR = Prerequisite requirement

PR: MATH 220

PR/CO = Prerequisite or concurrent requirement