| FALL YEAR 1 SPRING | | FALL YEA | FALL YEAR 2 SPRING | | FALL YEAR 3 SPRING | | FALL YEAR 4 SPRING | |
|---------------------------------------|--|---|---|-------------------------------------|---|--|--|--|
| *MATH 220 (4) | *MATH 221 (4) | MATH 222 (4) | MATH 340 (4) | CE 533 (3) | ME 571 (3) | ME 574 (3) | •NE 585 (3) | |
| Analytic Geometry and Calculus I | Analytic Geometry and Calculus II | Analytic Geometry and Calculus III | Elementary Differential Equations | Mechanics of Materials | Fluid Mechanics | Principles of Engineering Design | Nuclear Engineering Design Projects | |
| 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/CO: ME 513 or ME 310 | PR: ME 571, ME 535 or NE 612, ME 533 or NE 690 PR/C0: ENGL 200 | PR: ME 574, NE 690, NE 612, NE 630, NE 650 | |
| CHM 210 (4) | *PHYS 213 (5) | PHYS 214 (5) | CE 333 (3) | ECE 519 (3) | ● NE 650 (3) | ME 573 (3) | ●NE 648 (3) | |
| Chemistry I | Engineering Physics I | Engineering Physics II | Statics | Electric Circuits for Engineers | Nuclear Fuel Cycles | Heat Transfer | Nuclear Reactor Laboratory | |
| | KSC-4 PR/CO: MATH 220 | PR: PHYS 213 PR/CO: MATH 221 | PR: MATH 221, PHYS 213 | PR: PHYS 214 | PR: MATH 340, NE 415 | PR: MATH 340, ME 571, ME 400 or NE 415 | PR: NE 630, NE 612 | |
| ME 212 (2) | CHE 354 (1) | CIS 209 (3) | ME 513 (3) | ME 512 (3) | ● NE 612 (3) | • NE 630 (3) | *Elective (3) | |
| Engineering Graphics | Basic Concepts in Materials Science and Engineering (5-week class) | Computer Programming for Engineers (Python) | Thermodynamics I | Dynamics | Principles of Radiation Detection | Nuclear Reactor Theory | Arts and Humanities | |
| 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 | KSC-6 | |
| DEN 160 (1) | CHE 355 (1) | NE 495 (3) | ●NE 415 (3) | ● NE 690 (3) | ME 400 (3) | •NE 640 (3) | ME 570 (4) | |
| College of Engineering Orientation | Fundamentals of Mechanical Properties (5-week class) | Elements of Nuclear Engineering | Introduction to Engineering Analysis | Radiation Protection and Shielding | Computer Applications in Mechanical Engineering | Nuclear Reactor Thermal Hydraulics | Control of Mechanical Systems I | |
| | PR: CHE 354 | PR: MATH 221, PHYS 213 | PR: NE 495; PR/CO: MATH 340 | PR: NE 495, PHYS 214, MATH 340 | PR/CO: MATH 340 | PR: NE 495; PR/CO: ME 573 | PR: MATH 340, ME 512, ME 400 or NE 415 PR/CO: ME 535 or NE 612 | |
| DEN 161 (1) | *COMM 106 (3) | IMSE 250 (2) | MATH 551 (3) | *Elective (3) | ME 533 (3) | *Elective (3) | *Elective (3) | |
| Engineering Problem Solving | Public Speaking | Introduction to Manufacturing Processes and Systems | Applied Matrix Theory | Social and Behavioral Sciences | Machine Design I | Arts and Humanities | Social and Behavioral Sciences | |
| PR/CO: MATH 150 | KSC-2 | PR/CO: MATH 220 | PR: MATH 220 | KSC-5 | PR: ME 212, ME 512, CE 533 | KSC-6 | KSC-5 | |
| *ENGL 100 (3) | *ENGL 200 (3) | | | IMSE 530 (2) | | | | |
| Expository Writing I | Expository Writing II | | | Engineering Economic Analysis | , | efficient way to get both the ME and NE deg. count 6 reauired hours towards their institution | , | |

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

PR: MATH 220



Prerequisite for another course PR = Prerequisite requirement

 $PR/CO = Prerequisite \ or \ concurrent \ requirement$

Dual Degree maps can vary between student to student. Please use this as a guide as you talk to your advisor.