Accelerated Mechanical Engineering and Masters of Business Administration

153 credit hours total

GRADUATE WITH BACHELORS OF MECHANICAL ENGINEERING

YEAR 1 FALL	YEAR 1 SPRING	YEAR 2 FALL	YEAR 2 SPRING	YEAR 3 FALL	YEAR 3 SPRING	YEAR 4 FALL	YEAR 4 SPRING	YEAR 5 FALL	YEAR 5 SPRING
*MATH 220 (4) Analytic Geometry and Calculus I KSC-3	MATH 221 (4) Analytic Geometry and Calculus II PR: MATH 220 ≥C	MATH 222 (4) Analytic Geometry and Calculus III PR: MATH 221 ≥ C	MATH 340 (4) Elementary Differential Equations PR: MATH 221 ≥ C	CE 533 (3) Mechanics of Materials PR/CO: MATH 221 PR: CE 333 ≥C or 530 ≥C	ME 533 (3) Machine Design I PR: ME 212, ME 512, CE 533	ME 574 (3) Principles of Engineering Design PR: ME 571, ME 533 or NE 690, ME 535 or NE 612 PR/CO: ENGL 200	ME 575 (3) Mechanical Engineering Capstone Design PR: ME 574	MANGT 720 (3) Managing Organizational Behavior MBA: GRADUATE CREDIT	FINAN 715 (3) Foundations of Finance MBA: GRADUATE CREDIT
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	MATH 551 (3) Applied Matrix Theory PR: MATH 220	ECE 519 (3) Electric Circuits for Engineers PR: PHYS 214	ME 535 (3) Measurement and Instrumentation Laboratory PR: ME 513 and ECE 519 or ME 519	ME 573 (3) Heat Transfer PR: MATH 340, ME 571, ME 400 or NE 415	*Elective (3) Arts and Humanities KSC-6	MANGT 860(3) Managing the Triple Bottom Line Business MBA: GRADUATE CREDIT	GENBA 890 (3) Business Capstone MBA: GRADUATE CREDIT
ME 212 (2) Engineering Graphics PR/CO: MATH 205 or 220	CHE 354 (1) Basic Concepts in Materials Science and Engineering (5-week class) PR: CHM 210, PR/CO: PHYS 213	CE 333 (3) Statics PR: MATH 221, PHYS 213	ME 512 (3) Dynamics PR: MATH 340, CE 333	ME 400 (3) Computer Applications in Mechanical Engineering PR/CO: MATH 340	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	*Elective (3) Arts and Humanities KSC-6	MANGT 880(3) Strategic Management MBA: GRADUATE CREDIT	MBA Elective (3) Choose from List MBA: GRADUATE CREDIT
DEN 160 (1) Engineering Orientation	CHE 355 (1) Fundamentals of Mechanical Properties (5-week class) PR: CHE 354	IMSE 250 (2) Introduction to Manufacturing Processes and Systems PR/CO: MATH 220	ME 513 (3) Thermodynamics I PR: MATH 221, PHYS 213	ME 571 (3) Fluid Mechanics PR: ME 512 or CE 530, MATH 222 PR/CO: ME 513 or ME 310	ECON 715 (3) Economic Analysis for Business MBA: GRADUATE CREDIT	ACCTG 710 (3) Foundations of Accounting MBA: GRADUATE CREDIT	MANGT 710 (3) Operations and Supply Chain Management MBA: GRADUATE CREDIT	MBA Elective (3) Choose from List MBA: GRADUATE CREDIT	MBA Elective (3) Choose from List MBA: GRADUATE CREDIT
DEN 161 (1) Engineering Problem Solving	*COMM 106 (3) Public Speaking KSC-2	NE 495 (3) Elements of Nuclear Engineering PR: MATH 221, PHYS 213	ECON 110/120 (3) Principles of Macroeconomics OR Principles of Microeconomics KSC-5	▲Elective (3) ME/NE ≥ 200	▲Elective (3) ME/NE ≥ 200	▲Elective (3) ME/NE >600	▲Elective (3) Restricted		
*ENGL 100 (3) Expository Writing I KSC-1	*ENGL 200 (3) Expository Writing II KSC-1 PR: ENGL 100								

SUMMER (PREFERRED) OR FALL

MKTG 705 (3)
Marketing Concepts and Research
MBA: GRADUATE CREDIT
(3 credit hours)

*** This degree map shows the most efficient way to get both the Bachelors of ME and Masters of Business Administration degrees. It takes advantage of the fact that ME students can count 6 hours of MATH courses towards their institutional electives. Accelerated degree maps can vary between student to student. Please use this as a guide as you talk to your advisor.*

Open QR Code to see official K-State Catalog information

(15 credit hours) (17 credit hours) (17 credit hours) (16 credit hours) (15 credit hours) (16 credit hours) (15 credit hours) (15 credit hours) (12 credit hours) (12 credit hours)

KANSAS STATE UNIVERSITY | Carl R. Ice College of Engineering

KEY

▨ = Prerequisite for another course PR = Prerequisite requirement PR/CO = Prerequisite or concurrent requirement

* = K-State Core (KSC) course ▲ = See department approved electives ● = Only offered in the semester shown

Degree map is for advising purposes only. Students are responsible for complying with University Catalog requirements.