

MECHANICAL ENGINEERING (125 Hours) WITH LEADERSHIP STUDIES MINOR (+6 Hours)

* For informational purposes only. Refer to Leadership Studies department for current curriculum requirements.

- Leadership Studies Minor requires 5 classes.
- 3 of 5 classes in gray boxes count as H&SS electives.
- None of the classes meet the Aesthetic or Historical K-State 8 Areas; therefore, 1 additional course will need to be taken to satisfy both areas.
- ME 574 counts as the elective course.
- Grade of C or better and minimum of 2.5 GPA required in all courses counted towards minor.

LEAD 212 (3)
Intro to Leadership Concepts

LEAD 350 (3)
Culture & Context in Leadership

LEAD 405 (3)
Leadership in Practice
PR: LEAD 212, 350, & junior standing

LEAD 450 (3)
Senior Seminar in Leadership Studies
PR: LEAD 212, 350, 405, & senior standing

Elective Course (3)

Aesthetic & Historical K-State 8 Course (3)

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

H&SS (3)
***SEE NOTE**

ECON 110 (3)
Macro Econ

IMSE 250 (2)
Intro to Manf Proc.

MATH 551 (3)
Applied Matx Thry

ME 400 (3)
Comp. Appl in ME

ME 533 (3)
Mach Des 1

IMSE 530 (2)
Engg Econ Anal

H&SS (3)
***SEE NOTE**

MATH 220 (4)
AG & Calc 1

MATH 221 (4)
AG & Calc 2

MATH 222 (4)
AG & Calc 3

MATH 340 (4)
Diff Eq

CE 533 (3)
Mech Matls

ME 570 (4)
Cont Mech Sys1

ME 573 (3)
Heat Transfer

H&SS (3)
***SEE NOTE**

DEN 160 (1)
Engg Orientation &
DEN 161 (1)
Engg Prob Solv

OR
ME 101 (2)
Intro to ME

PHYS 213 (5)
Engg Phys 1

PHYS 214 (5)
Engg Phys 2

ME 512 (3)
Dynamics

ME 571 (3)
Fluid Mech

ENGL 415 (3)
Written Comm.

ME 574 (3)
Ind Des Prj I

ME 575 (3)
Ind Des Prj II

ME 212 (2)
Engg Graph

CE 333 (3)
Statics

ME 513 (3)
Thermo 1

ECE 519 (4)
Cir & Controls

OR

Tech Elec (3)
Other
≥200

Tech Elec (3)
COE
≥200

Tech Elec (3)
Other
≥200

CHM 210 (4)
Chem 1

COMM 105 (2)
Pub Spkg. 1A

CHE 354 (1)
Basic materials

NE 495 (1)
Elem of NE

ME 519 (4)
Circuits for MNE

ME 535 (3)
Meas & Instr

OR
NE 612

Tech Elec (3)
MNE
≥200

OR
NE 630

Tech Elec (3)
MNE
≥600

OR
NE 648

ENGL 100 (3)
Exp Writ 1

CHE 355 (1)
Mech Properties

Tech Elec (3)
MNE
≥200

OR
NE 690

Nuclear Option:
The 4 classes below replace the 4 directly above them.

NE 690 (3)
Rad Prot & Shield
Typically Fall Only

NE 612 (3)
Princ of Rad Det
Typically Spring Only

NE 630 (3)
Nuc Reactor Thry
Typically Fall Only

NE 648 (3)
Nuc Reactor Lab
Typically Spring Only