

MECHANICAL ENGINEERING (125 Hours) WITH COMPUTER SCIENCE MINOR (+7 Hours)

*For informational purposes only. Refer to Computer Science department for current curriculum requirements.

- Computer Science Minor requires 5 classes.
- 1 out of 4 classes in purple boxes count as COE Tech Elective.
- 2 out of 3 remaining classes in purple boxes count as Other Tech Electives.
- CIS 115 does not count for any MNE curriculum requirements.
- Grade of C or better is required for each prerequisite course.

CIS 115 (3)
Intro to CS

ECE 241 (3)
Intro To
Computer
Engineering

CIS 200 (4)
Program Funds
PR/CO: MATH 220
PR: CIS 115 or
ECE 241

CIS 300 (3)
Data & Program
Structures
PR: CIS 200
PR: MATH 220

CIS 301 (3)
Logical
Foundations of
Programming
PR: CIS 200

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

H&SS (3)	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)
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 Sys I	ME 573 (3) Heat Transfer	H&SS (3)
DEN 160 (1) Engg Orientation & DEN 161 (1) Engg Prob Solv	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
OR ME 101 (2) Intro to ME	ME 212 (2) Engg Graph	CE 333 (3) Statics	ME 513 (3) Thermo 1	ECE 519 (4) Cir & Controls	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	OR 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*