

Common Mechanical Engineering Minors/Certificates

Classes in **Grey** are curriculum requirements and are automatically satisfied

Classes in **Lavender** can be used as curriculum electives

Classes in **Purple** are additional credit hours that cannot be double counted in the curriculum

*May count as a restricted elective

#May count as an institutional elective

+May count as an MNE Elective

~May count as K-State Core Gen-Ed

BUSINESS MINOR (4 additional credit hours)

#ACCTG 231 (3) Introduction to Managerial Accounting PR: MATH 220	~ECON 110/120 (3) ECON 110 - Principles of Macroeconomics ECON 120 - Principles of Microeconomics KSC-5
#ACCTG 241 (3) Introduction to Financial Accounting PR: MATH 231	ME 535 (3) Measurements and Instrumentations Laboratory PR: ME 513 and ECE 519 OR ME 519
~MANGT 220 (3) Principles of Management KSC-5 Elective	FINAN 450 (3) Principles of Finance +1 Hour Replaces: IMSE 530 (2) PR: ACCTG 231, ME 535, ECON 110 or 120 (KSC-5)
~MKTG 250 (3) Introduction to Marketing KSC-5 Elective	

FINAN 450 will replace IMSE 530 in the ME Curriculum for students who complete the Business Minor.

Business has an agreement with ME that ME 535 will count as the statistics prerequisite for FINAN 450

Choose ECON 110 or 120 as one KSC-5 elective to meet prerequisites for FINAN 450



<https://tinyurl.com/5bbu9hyn>

ENTREPRENEURSHIP AND INNOVATION MINOR (9 additional credit hours)

#ENTRP 340 (3) Business Innovation and the Entrepreneurial Mindset
#ENTRP 425 (3) Funding Your Business
#MANGT 590 (3) International Management
#Capstone (3) ENTRP 540, ENTRP 491, ENTRP 495, ENTRP 575 Choose 1 of 4
#Elective (3) See List



<https://tinyurl.com/yc5sh66a>

AEROSPACE STUDIES MINOR (6 additional credit hours)

#AERO 310 (3) Officer Leadership Studies 3A	~History Elective (3) See List HIST 155 is KSC-8
#AERO 311 (3) Officer Leadership Studies 3B	~General Elective (3) See List LEAD 212 is KSC-5
#AERO 410 (3) Regional Studies in Defense Policy	
#AERO 411 (3) Aerospace Studies/Civil Military Relationships	



<https://tinyurl.com/3uw8kydr>

INDUSTRIAL DESIGN MINOR (6 additional credit hours)

~INDD 292 (3) Design Thinking KSC-6 Elective
#INDD 325 (3) Human Factors in Industrial Design
#INDD 350 (3) Product Semantics
#Elective (3) See List
#Elective (3) See List



<https://tinyurl.com/2njncark>

LEADERSHIP STUDIES CERTIFICATE (6 additional credit hours)

~LEAD Elective (3) LEAD 200, 212, 213, 350, 405, 450 Choose 4 of 6 KSC-5 Elective
#LEAD Elective (3) LEAD 200, 212, 213, 350, 405, 450 Choose 4 of 6
#LEAD Elective (3) LEAD 200, 212, 213, 350, 405, 450 Choose 4 of 6
#LEAD Elective (3) LEAD 200, 212, 213, 350, 405, 450 Choose 4 of 6
#Elective (3) See List



<https://tinyurl.com/4246cfn6>

Open QR Codes below each minor to see official K-State Catalog information including Elective Lists

For advising purposes only. Students are responsible for complying with University Catalog requirements.

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NUCLEAR ENGINEERING MINOR (0 additional credit hours)

NE 495 (3)
Elements of Nuclear
Engineering
PR: MATH 221, PHYS 213

+NE CORE (3)
NE 612, NE 630, NE 690
Choose 2 of 3

+NE CORE (3)
NE 612, NE 630, NE 690
Choose 2 of 3

+NE Elective (3)
See List

***NE Elective (3)**
See List



<https://bit.ly/3TDnv6t>

MANUFACTURING SYSTEMS MINOR (6 additional credit hours)

IMSE 250 (2)
Introduction to
Manufacturing Systems
PR/CO: MATH 220

#IMSE 251 (1)
Manufacturing
Processes Laboratory
PR/CO: IMSE 250

#IMSE 662 (3)
Computer Aided
Manufacturing
PR: IMSE 251, ME 400

***IMSE 563 (3)**
Manufacturing
Processes Engineering
PR: IMSE 251, CHE 355,
CE 333, ME512

#IMSE Elective (3)
See List

#IMSE Elective (3)
See List



<https://bit.ly/4yEWT58>

COMPUTER SCIENCE MINOR (9 additional credit hours)

#CIS 115 (2)
Introduction to
Computing Science
PR/CO: CIS 116

#CIS 116 (1)
Introduction to
Programming

***CIS 200 (3)**
Programming
Fundamentals
PR: CIS 116
PR/CO: MATH 220

#CIS 300 (3)
Data and Program
Structures
PR: CIS 200, MATH 220

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

#ECE 241 (3)
Introduction to
Electrical and
Computer Engineering



<https://bit.ly/4vJ7ucJ>

MATH MINOR (0 additional credit hours)

MATH 220 (4)
Analytic Geometry and
Calculus I

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



<https://bit.ly/4gVEMl6>

MATH 551 (3)
Applied Matrix Theory
PR: MATH 220 > C

***MATH (3)**
Choice:
MATH 511/MATH 512
or
MATH 520/
MATH 633/MATH 630

#MATH (3)
Choice:
STAT 510/STAT 610
or
MATH > 500

PHYSICS MINOR (0 additional credit hours)

PHYS 213 (5)
Engineering Physics I
PR/CO: MATH 220

PHYS 214 (5)
Engineering Physics II
PR: PHYS 213, MATH 221

***PHYS 325 (4)**
Physics III
PR: PHYS 214
PR/CO: MATH 222

#PHYS Elective (3-5)
Any course with PHYS
325 as a PreReq
PR: PHYS 325



<http://bit.ly/4pEOMS6>

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