

# Mechanical Engineering Graduate Courses

## Fall 2024 (2251)

Catalog #	Class #	Title (3 Credit Classes unless noted)	Rm	Day	Time	Instructor
ME 2001	12343	Differential Equations	SRCC0113	M	4:00-6:30	Galdi
ME 2003	12492	Intruduction to Continuum Mechanics	G29	F	4:00-6:30	Slaughter
ME 2016	28059	Nonlinear Dynamical Systems 1 @ +	A214 Lang	M	12:30-3:00	Bajaj
ME 2018	31539	Introduction to Computer-Aided Engineering Analysis	309 BEH	T	6:00-8:30	Senocak
ME 2022	12483	Applied Solid Mechanics	149 Cath	T	4:00-6:30	Slaughter
ME 2035	30496	Composite Materials Design and Applications @ +	G28 BEH	F	4:00-6:30	Wosu
ME 2038	31947	Tensor Networks: Comp Mtds for Mtls Sci, Engr, Bynd@	132 Chev	W	5:00-7:30	Mendoza Arenas
ME 2045	16563	Linear Control Systems	221 Cath	W	5:30-8:00	Clark
ME 2047	12421	Finite Element Analysis	213 Cath	M	4:00-6:30	Smolinski
ME 2053	30015	Heat and Mass Transfer	524 Thac	W	4:00-6:30	S. Lee
ME 2054	32452	Parallel Computing for Engineers	319 BEH	F	4:00-6:30	Senocak
ME 2081	31711	Smart Manufacturing- Key to Innovations @	158 BEH	R	4:00-6:30	Zhao
ME 2083	26023	Introduction to Additive Manufacturing @	226 BEH	W	10:00-12:30	To
ME 2232	30004	Mathematics of Data-Enabled Science & Engineering @	119 Cath	W	1:00-3:30	Givi/Barati
ME 2440	31550	Fundamentals of Acoustics and Vibrations	524 Thac	M	4:00-6:30	Vipperman
ME 2500	3241	Professional Engineering Practice (1 cr)	WEB	T	12:00-1:00	Schmidt
ME 2502	30491	Professional Engineering Development Topics 2 (1 cr)	WEB	R	12:00-1:00	Schmidt
ME 2646	16523	Linear System Theory @	G31 BEH	T	6:00-8:30	Dallal
ME 2671	21215	Optimization Methods @	227 BEH	M	6:00-8:30	Can-Cimino
ME 3100	31686	Engineering Research Leadership & Management @	5201 Posv	M/W	1:00-2:15	Cole

All full time graduate students should be enrolled in Graduate Seminar. Please discuss any conflicts with GA.

ME 2085	12344	MEMS Graduate Seminar (zero credits)	TBD	T/R	11:00-12:00	Lee, S/ Bedewy
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Thesis & Dissertation Courses: Use the class # that corresponds to your advisor (changes each term)

ME 2999*	TBD	M.S. Thesis	n/a	n/a	n/a	Advisor
ME 3997	TBD	Research, PHD	n/a	n/a	n/a	Advisor
ME 3999*	TBD	PHD Dissertation	n/a	n/a	n/a	Advisor
FTDH*	12364	Full Time Dissertation Study	n/a	n/a	n/a	Advisor

\* GA will enroll students in 2999, 3999 and FTDH with advisor approval and survey submission.

@ Combined sections with either UGRAD or another Dept

+ Please check class description for prereqs/consent

04/06/24	Open Enrollment Begins
07/10/24	MEMS Enrollment Deadline
08/09/24	PCHE Submission Deadline
08/26/24	Fall Classes Begin/ Regular Enrollment Deadline
09/06/24	Fall Late Add/Drop Deadline

(Last updated 8/12/2024)

# Materials Science & Engineering Graduate Courses

## Fall 2024 (2251)

Catalog #	Class #	Title (3 Credit Classes)	Rm	Day	Time	Instructor
MSE 2003	16413	Structure of Materials	316 OEH	F	4:00-6:25	Wiezorek
MSE 2011	12636	Energetics	G28 BEH	M	4:00-6:25	Wang, G
MSE 2012	32081	Computational Materials Science @	G37 BEH	R	1:00-3:30	Wang, G
MSE 2049	31948	Tensor Networks: Comp Mtds for Mtls Sci, Engr, Bynd @	132 Chev	W	5:00-7:30	Mendoza Arenas
MSE 2067	27695	Elements of Materials Science and Engineering 1	219 Cath	W	4:00-6:25	Piccone
MSE 2085	31545	Sustainable Materials Production @ +	119 Cath	R	4:00-6:30	Nettleship
MSE 2104	29840	Advanced Physical Metallurgy of NonFerrous Alloys @	G30 BEH	T	4:00-6:30	Xiong, W
MSE 2111	27504	Materials for Energy Generation and Storage @	226 BEH	W	4:00-6:30	Lee, J
MSE 2122	32083	Fundamentals of Magnetic Mtls and Applications @	235 Cath	W	4:00-6:30	Ohodnicki
MSE 3100	31694	Engineering Research Leadership & Management @	5201 Posv	M/W	1:00-2:15	Cole

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ME 2085	12344	MEMS Graduate Seminar (zero credit)	TBD	T/R	11:00-12:00	Lee, S/ Bedewy
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*Thesis & Dissertation Courses: Use the class # that corresponds to your advisor (changes each term)*

MSE 2999*	TBD	M.S. Thesis	n/a	n/a	n/a	Advisor
MSE 3997	TBD	Research, PHD	n/a	n/a	n/a	Advisor
MSE 3999*	TBD	PHD Dissertation	n/a	n/a	n/a	Advisor
FTDH*	12364	Full Time Dissertation Study	n/a	n/a	n/a	Advisor

*\* GA will enroll students in 2999, 3999 and FTDH with advisor approval and survey submission.*

*@ Combined sections with either UGRAD or another Dept / Program*

*+ Please check class description for prereqs/consent*

04/06/24	Open Enrollment Begins
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(Last updated 8/12/2024)

# Nuclear Engineering Graduate Courses

## Fall 2024 (2251)

Catalog #	Class #	Title (3 Credit Classes)	Rm	Day	Time	Instructor
NUCE 2100	16451	Fundamentals of Nuclear Engineering	WEB	T	6:00-8:30	Gill/Meholic
NUCE 2100	16449	Fundamentals of Nuclear Engineering	BEH 543	T	6:00-8:30	Gill/Meholic
NUCE 2101	32468	Nuclear Core Dynamics	WEB	M	6:00-8:30	Helling/Locke
NUCE 2125	32099	Case Studies in Nuclear Codes & Standards	WEB	W	6:00-8:30	Balkey/Elder/ Friedman/Terek

*All full time graduate students should be enrolled in Graduate Seminar. Please discuss any conflicts with GA.*

ME 2085	12364	MEMS Graduate Seminar	TBD	T/R	11:00-12:00	Lee, S/ Bedewy
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(Last updated 8/12/2024)