

Mechanical and Aerospace Engineering Schedule of Offerings

COURSE	TITLE	CR HRS	Semester Taken for MEE (may vary for concentrations)	FALL	SPRING	SUMMER	PreReqs needed
MEE 101	Intro to Mechanical Engineering	0	1, 2	X	X	X	n/a
MEE 104L	Computer Graphics I	1	2	X	X		n/a
MEE 200	Professional Development Seminar	0	3, 4	X	X	X	n/a
MEE 225	Intro to Flight	3	3	X			MTH 168
MEE 227L	Computer Graphics II	1	3	X	X		MEE 104L
MEE 308	Fluid Mechanics	3	4	X	X	usually	EGR 202
MEE 312	Engineering Materials I	3	6	X	X	X	Coreq EGM 303
MEE 312L	Engineering Materials Lab	1	6	X	X	X	Coreq EGM 303
MEE 314	Computational Methods	3	5	X	X	X	Coreq MTH 219
MEE 321	Theory of Machines	3	6	X	X	X	EGM 202
MEE 341	Engineering Experimentation	3	7	X	X	usually	EGM303, MEE308, EGR203 and ECE201L
MEE 344	Manufacturing Processes	3	6	X	X	X	MEE 312
MEE 398	Research and Innovation Lab	3	Elective		X		n/a
MEE 401	Aerodynamics	3	6		X	X	MEE 308
MEE 409	Aerospace Structures	3	5	X			EGM 303
MEE 410	Heat Transfer	3	6	X	X	X	MEE 308
MEE 410L	Thermo Fluids Lab	1	6	X	X	X	MEE 308
MEE 413	Propulsion	3	5	X			EGR 202

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MEE 415	Professional Development I	0	5, 6, 7	X	X		n/a
MEE 416	Professional Development II	1	8	X	X		n/a
MEE 417	Internal Combustion Engines	3	Elective	X			n/a
MEE 425	Aerospace Design	3	7	X			n/a
MEE 427	Mechanical Design I	3	7	X	X	usually	MEE 321
MEE 431L	Multidisciplinary Design Lab I	1	7	X	X	X	EGM 303
MEE 432L	Multidisciplinary Design Lab II	3	8	X	X	X	MEE 431L
MEE 433	Project Mgmt and Innovation	1	7	X	X		n/a
MEE 434	Mechatronics	3	Elective	X			n/a
MEE 439	Dynamic Systems and Controls	4	7	X	X	X	EGM 202 MTH 219
MEE 440	Flight Vehicle Performance	4	7	X			EGM 202 MTH 219
MEE 460	Engineering Analysis	3	8	X	X	usually	MEE 410/L
MEE 473	Renewable Energy Systems	3	Elective	X			n/a
MEE 478	Energy Efficient Manufacturing	3	6 for MEE 344	X			n/a
MEE 498	Research and Innovation Lab	1 or 3	Elective		X		n/a
MEE 499	special classes offered	3	Elective	X	X		n/a
EGR 100	Enrichment Workshop	0	1, 2	X	X		n/a
EGR 103	Engineering Innovation	2	1 or 2	X	X		n/a
EGR 201	Engineering Mechanics	3	3	X	X	X	PHY 206 Coreq MTH 169
EGR 202	Engineering Thermodynamics	3	3	X	X	X	MTH 168
EGR 203	Electrical and Electronic Circuits	3	4	X	X	X	MTH 169
ECE 201L	Circuits Analysis Lab	1	4	X	X	X	MTH 169
EGM 202	Dynamics	3	4	X	X	X	EGR 201
EGM 303	Mechanics II	3	4	X	X	X	EGR 201

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							MTH 169
	MTH 137 (F/S), MTH 138, 168, 169, 218, 219 (F/S/Su) MTH 137&138 =/or MTH 168 -> MTH 169 -> MTH 218 -> MTH 219						
	PHY 206 -> PHY 207 -> PHY 208 (F/S/Su) or several choices in place of PHY 208 (advisor approved)						
	CHM 123, 123L (F,S,Su)						
	SEE 250 (F,S,Su), 303 and 401 (F), 402 (S)						