

MECHANICAL ENGINEERING CURRICULUM CHECKLIST

Name: _____

Date: _____

Course	Credits	Course Title	Prerequisites/Corequisites
CHEM0960	3 _____	Gen. Chem. for Engr. 1	
CHEM0970	3 _____	Gen. Chem. for Engr. 2	CHEM0960
MATH0220	4 _____	Anal. Geometry & Calc. 1	
MATH0230	4 _____	Anal. Geometry & Calc. 2	MATH0220 (C or better)
MATH0240	4 _____	Anal. Geometry & Calc. 3	MATH0230 (C or better)
MATH0280	3 _____	Matrices & Linear Algebra	MATH0220
MATH0290	3 _____	Differential Equations	MATH0230
PHYS0174	4 _____	Phys. for Sci. & Engr. 1	<i>MATH0220</i> ¹
PHYS0175	4 _____	Phys. for Sci. & Engr. 2	PHYS0174, <i>MATH0230</i>
PHIL0300	3 _____	Intro. to Ethics (Humanity)	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Communication Skills Elective	
ENGR0011	3 _____	Intro. to Engr. Analysis	
ENGR0012	3 _____	Engr. Computing	ENGR0011
ENGR0022	3 _____	Mater. Struct. & Properties	MATH0230, PHYS0174
ENGR0135	3 _____	Statics & Mech. of Mater. 1	MATH0230, PHYS0174
ENGR0145	3 _____	Statics & Mech. of Mater. 2	ENGR0135
_____	3 _____	Engineering Elective	
MEMS0024	3 _____	Intro. to ME Design	ENGR0011
MEMS0031	3 _____	Electrical Circuits	PHYS0175, <i>MATH0290</i>
MEMS0040	3 _____	Materials & Manufacturing	ENGR0022
MEMS0051	3 _____	Intro. to Thermodynamics	PHYS0174, CHEM0960, <i>MATH0290</i>
MEMS1014	3 _____	Dynamic Systems	ENGR0012, MEMS0031
MEMS1015	3 _____	Rigid-Body Dynamics	MATH0240, ENGR0135
MEMS1028	3 _____	Mechanical Design 1	ENGR0145
MEMS1029	3 _____	Mechanical Design 2	MEMS0024, MEMS1028
MEMS1041	3 _____	Mechanical Measurements 1	ENGR0145, MEMS0031, <i>MEMS1014</i>
MEMS1042	3 _____	Mechanical Measurements 2	MEMS1041
MEMS1043	3 _____	Senior Design Project	<i>Senior Standing</i>
MEMS1051	3 _____	Applied Thermodynamics	MEMS0051
MEMS1052	3 _____	Heat and Mass Transfer	MEMS0051
MEMS1065	3 _____	Thermal Systems Design	MEMS1051, MEMS1052, MEMS1072
MEMS1072	3 _____	Applied Fluid Dynamics	MEMS0051
_____	3 _____	ME Technical Elective	
_____	3 _____	ME Technical Elective	
_____	3 _____	ME Technical Elective	
_____	3 _____	Dynamic Systems Elective	

¹Italicized courses indicate corequisites, that is, courses that must be taken prior to or concurrently with the subject course.