

ENGINEERING PHYSICS CURRICULUM CHECKLIST

Name: _____

Date: _____

Course	Credits	Course Title	Prerequisites/Corequisites
CHEM 0960	3 _____	Gen. Chem for Engr. 1	
CHEM 0970	3 _____	Gen. Chem for Engr. 2	CHEM 0960
MATH 0220	4 _____	Anal. Geometry & Calc. 1	
MATH 0230	4 _____	Anal. Geometry & Calc. 2	MATH 0220
MATH 0240	4 _____	Anal. Geometry & Calc. 3	MATH 0230
MATH 0280	3 _____	Matrices & Linear Algebra	MATH 0220
MATH 0290	3 _____	Differential Equations	MATH 0230
MATH 1560	3 _____	Complex Variables & App.	MATH 0240
PHYS 0174	4 _____	Phys. for Sci. & Engr. 1	<i>MATH 0220</i>
PHYS 0175	4 _____	Phys. for Sci. & Engr. 2	PHYS 0174, <i>MATH 0230</i>
PHYS 0219	2 _____	Basic Lab Phys. Sci. & Engr.	<i>PHYS 0175</i>
PHYS 0479	3 _____	Prin.of Modern Physics 1	PHYS 0175, <i>MATH 0240</i>
PHYS 0481	3 _____	Prin.of Modern Physics 2	PHYS 0479
PHYS 1331	3 _____	Mechanics	PHYS 0175, MATH 0290
PHYS 1351	3 _____	Electricity & Magnetism	PHYS 0175, MATH 0240, <i>MATH 0290</i>
PHYS 1361	3 _____	Wave Motion & Optics	PHYS 0219, MATH 0290
_____	3 _____	Humanity Elective	
_____	3 _____	Humanity Elective	
_____	3 _____	Social Science Elective	
_____	3 _____	Social Science Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
_____	3 _____	Humanity/Soc. Sci. Elective	
ENGR 0011	3 _____	Intro. to Engr. Analysis	
ENGR 0012	3 _____	Engr. Computing	ENGR 0011
ENGR 0022	3 _____	Mater. Struct. & Properties	MATH 0230, PHYS 0175
ECE 0031	3 _____	Linear Circuits & Sys. 1	PHYS 0175, MATH 0230
ECE 0041	3 _____	Linear Circuits & Sys. 2	ECE 0031, <i>MATH 0290</i>
ECE 0257	3 _____	Anal. & Design of Elect. Circuits	<i>ECE 0041</i>
ECE 1201	3 _____	Electnc Measurmnts & Crcts Lab	<i>ECE 0041, ECE 0257</i>
ECE 1212	3 _____	Electnc Circuit Design Lab	ECE 0257, ECE 1201
ECE 1247	3 _____	Semiconductor Device Theory	PHYS 0175, ECE 0041
ECE 1266	3 _____	Applications of Fields & Waves	ECE 1259 or PHYS 1351, <i>ECE 0041</i>
ECE 1552	3 _____	Signals & Systems Analysis	ECE 0041
ENGRPH 1801	3 _____	Engineering Design 1	
ENGRPH 1802	3 _____	Engineering Design 2	ENGRPH 1801
MEMS 0051	3 _____	Intro. to Thermo-Fluids Engr.	PHYS 0175, CHEM 0960, <i>MATH 0290</i>
MEMS 1054	3 _____	Materials Science 1	ENGR 0022
MEMS 1056	3 _____	Energetics	ENGR 0022, MEMS 0051
MEMS 1064	3 _____	Materials Science 2	MEMS 1054, MEMS 1056
MEMS 1058	3 _____	Electromagnetic Prop. of Mat.	ENGR 0022
_____	3 _____	Program Elective	
_____	3 _____	Program Elective	

Italicized courses indicate corequisites; courses must be taken prior to or concurrently.