

ENGINEERING PHYSICS SAMPLE CURRICULUM SCHEDULE

Shown below is an example of a schedule of courses that leads to a B.S. in Engineering Physics in four years. It satisfies all of the relevant course prerequisites and the Engineering Physics degree requirements.

FIRST TERM

Subject		Units
CHEM 0960	Gen. Chem. for Engr. 1	3
MATH 0220	Anal. Geometry & Calc. 1	4
PHYS 0174	Phys. For Sci. & Engr. 1	4
ENGR 0011	Intro. to Engr. Analysis	3
	Humanity/Soc. Sci. Elective	3
ENGR 0081	Freshman Seminar	<u>0</u>
		17

SECOND TERM

Subject		Units
CHEM 0970	Gen. Chem for Engr. 2	3
MATH 0230	Anal. Geometry & Calc. 2	4
PHYS 0175	Phys. For Sci. & Engr. 2	4
ENGR 0012	Engr. Computing	3
	Humanity/Soc. Sci. Elective	3
ENGR 0082	Freshman Seminar	<u>0</u>
		17

THIRD TERM

Subject		Units
MATH 0240	Anal. Geometry & Calc. 3	4
MATH 0280	Matrices & Linear Algebra	3
ENGR 0022	Mater. Struct. & Properties	3
ECE 0031	Linear Circuits & Systems 1	3
PHYS 0219	Basic Lab Phys. Sci. & Engr.	2
	Humanity/Soc. Sci. Elective	3
MEMS 1085	Department Seminar	<u>0</u>
		18

FOURTH TERM

Subject		Units
MATH 0290	Differential Equations	3
ECE 0041	Linear Circuits & Systems 2	3
ECE 0257	Anal. & Design of Elect. Cir.	3
ECE 1201	Electnc Meas. & Circuits Lab	3
MEMS 0051	Intro. to Thermodynamics	3
MEMS 1085	Department Seminar	<u>0</u>
		15

FIFTH TERM

Subject		Units
MEMS 1054	Materials Science 1	3
MEMS 1056	Energetics	3
PHYS 0479	Prin. of Modern Physics 1	3
PHYS 1331	Mechanics	3
PHYS 1351	Electricity & Magnetism	3
MEMS 1085	Department Seminar	<u>0</u>
		15

SIXTH TERM

Subject		Units
MEMS 1064	Materials Science 2	3
ECE 1247	Semiconductor Device Theory	3
ECE 1552	Signals & Sys. Analysis	3
PHYS 0481	Prin. of Modern Physics 2	3
	Humanity/Soc. Sci. Elective	3
MEMS 1085	Department Seminar	<u>0</u>
		15

SEVENTH TERM

Subject		Units
MEMS 1058	Electromagnetic Prop. of Mat.	3
ECE 1266	App. of Fields & Waves	3
ENGRPH 1801	Engineering Design 1	3
PHYS 1361	Wave Motion & Optics	3
	Program Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS 1085	Department Seminar	<u>0</u>
		18

EIGHTH TERM

Subject		Units
MATH 1560	Complex Variables & App.	3
ECE 1212	Elect. Circuit Design Lab	3
ENGRPH 1802	Engineering Design 2	3
	Program Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS 1085	Department Seminar	<u>0</u>
		15