MECHANICAL ENGINEERING
SAMPLE CURRICULUM SCHEDULE

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

FIRST TERM

Subject		Credits
CHEM0960	Gen. Chem. for Engr. 1	3
MATH0220	Anal. Geometry & Calc. 1	4
PHYS0174	Phys. for Sci. & Engr. 1	4
ENGR0011	Intro. to Engr. Analysis	3
	Humanity/Soc. Sci. Elective	3
ENGR0081	Freshman Seminar	0
		17

SECOND TERM

Subject		Credits
CHEM0970	Gen. Chem. for Engr. 2	3
MATH0230	Anal. Geometry & Calc. 2	4
PHYS0175	Phys. for Sci. & Engr. 2	4
ENGR0012	Engr. Computing	3
	Humanity/Soc. Sci. Elective	3
ENGR0082	Freshman Seminar	0
		17

THIRD TERM

Subject		Credits
MATH0240	Anal. Geometry & Calc. 3	4
MATH0280	Matrices & Linear Algebra	3
ENGR0022	Mater. Struct. & Properties	3
ENGR0135	Statics & Mech. Mater. 1	3
MEMS0024	Intro. to ME Design	3
MEMS1085	Departmental Seminar	0
		16

FOURTH TERM

Subject		Credits
MATH0290	Differential Equations	3
ENGR0145	Statics & Mech. Mater. 2	3
MEMS0031	Electrical Circuits	3
MEMS0051	Intro. to Thermodynamics	3
MEMS1015	Rigid-Body Dynamics	3
	Communication Skills Elective	3
MEMS1085	Departmental Seminar	0
		18

FIFTH TERM

Subject		Credits
MEMS0071	Intro. to Fluid Mechanics	3
MEMS1014	Dynamic Systems	3
MEMS1028	Mechanical Design 1	3
	Open Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS1085	Departmental Seminar	0
		15

SIXTH TERM

Subject		Credits
MEMS0040	Materials & Manufacturing	3
MEMS1029	Mechanical Design 2	3
MEMS1041	Mechanical Measurements 1	3
	Engineering Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS1085	Departmental Seminar	0
		15

SEVENTH TERM

Subject		Credits
MEMS1042	Mechanical Measurements 2	3
MEMS1052	Heat and Mass Transfer	3
	ME Technical Elective	3
	Dynamic Systems Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS1085	Departmental Seminar	0
		15

EIGHTH TERM

Subject		Credits
MEMS1043	Senior Design Project	3
	ME Technical Elective	3
	ME Technical Elective	3
	ME Technical Elective	3
	Humanity/Soc. Sci. Elective	3
MEMS1085	Departmental Seminar	0
		15