

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
<i>Humanity/Soc. Sci. Elective</i>	3
ENGR0081 Freshman Seminar	<u>0</u>
	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
<i>Humanity/Soc. Sci. Elective</i>	3
ENGR0082 Freshman Seminar	<u>0</u>
	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	<u>0</u>
	16

FOURTH TERM

Subject	Credits
MATH0290 Differential Equations	3
ENGR0145 Statics & Mech. Mater. 2	3
MEMS0031 Electrical Circuits	3
MEMS0040 Materials & Manufacturing	3
MEMS0051 Intro. to Thermodynamics	3
<i>Communication Skills Elective</i>	3
MEMS1085 Departmental Seminar	<u>0</u>
	18

FIFTH TERM

Subject	Credits
MEMS1014 Dynamic Systems	3
MEMS1028 Mechanical Design 1	3
MEMS1052 Heat and Mass Transfer	3
<i>Engineering Elective</i>	3
<i>Humanity/Soc. Sci. Elective</i>	3
MEMS1085 Departmental Seminar	<u>0</u>
	15

SIXTH TERM

Subject	Credits
MEMS1015 Rigid-Body Dynamics	3
MEMS1029 Mechanical Design 2	3
MEMS1041 Mechanical Measurements 1	3
MEMS1051 Applied Thermodynamics	3
<i>Humanity/Soc. Sci. Elective</i>	3
MEMS1085 Departmental Seminar	<u>0</u>
	15

SEVENTH TERM

Subject	Credits
MEMS1042 Mechanical Measurements 2	3
MEMS1072 Applied Fluid Dynamics	3
<i>ME Technical Elective</i>	3
<i>Dynamic Systems Elective</i>	3
<i>Humanity/Soc. Sci. Elective</i>	3
MEMS1085 Departmental Seminar	<u>0</u>
	15

EIGHTH TERM

Subject	Credits
MEMS1043 Senior Design Project	3
MEMS1065 Thermal Systems Design	3
<i>ME Technical Elective</i>	3
<i>ME Technical Elective</i>	3
<i>Humanity/Soc. Sci. Elective</i>	3
MEMS1085 Departmental Seminar	<u>0</u>
	15