SYNOPSIS OF THE B.S. CURRICULUM IN MECHANICAL ENGINEERING

FOURTH (FRESHMAN) CLASS

First Semester

	Subject	Semester Hrs. Credit
CH 117	Lab for CH 137	1
CH 137	Intro. College Chemistry I	3
WR 101	English Composition I*	3
HI 103	History	3
MA 123	Calc. with An. Geom. I*	3
ME 105	Intro. to Mech. Eng.	1
ME 109	CAD/Solid Model	1
	AS, MS, or NS	1
TOTAL		**16**

Second Semester

	Subject	Semester Hrs. Credit
WR 102	English Composition II*	3
HI 104	History	3
MA 103	Matrix Algebra	2
MA 124	Calculus with An. Geom. II*	3
ME 110	Materials	3
ME 203	Programming	2
PE 101	Swimming	1/2
	AS, MS, or NS	1
TOTAL		**17 1/2**

THIRD (SOPHOMORE) CLASS

First Semester

	Subject	Semester Hrs. Credit
MA 215	Calc. with An. Geom. III	4
MA 220	Probability and Statistics	3
ME 201	Statics	3
PY 160	Gen Physics I	3
PY 155	Physics Lab	1
PE 102	Boxing	1/2
SE 300	Public Speaking	1
	AS, MS, or NS	1
TOTAL		**16 1/2**

Second Semester

	Subject	Semester Hrs. Credit
MA 311	Differential Equations	3
ME 206	Solid Mechanics.	3
ME 311	Thermodynamics	3
PS 344	Leadership in Organizations**	3
PY 161	Gen. Physics II	3
PY 156	Physics Lab II	1
PE 300	Prin. of Physical Conditioning	1
	AS, MS, or NS	1
TOTAL		**18**

SECOND (JUNIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
EC 322	Engr. Economy	2
EE 351	Elec. Cir. & Machines**	3
ME 302	Dynamics	3
ME 313	Thermodynamics II	3 1/2
ME 325	Instrumentation Lab	2
	Civil & Cultures	3
PE 211	Wrestling	1/2
	AS, MS, or NS	2
TOTAL		**19**

Second Semester

	Subject	Semester Hrs. Credit
ME 314	Fluid Mechanics	3 1/2
ME 321	Dynamics of Machinery	3
ME 322	Mech. Analysis	3
ME 336	Heat and Mass Transfer	3 1/2
ME 342	Controls	3
PE 200	Drug and Alcohol Awareness	1/2
	AS, MS, or NS	2
TOTAL		**18 1/2**

FIRST (SENIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
ME 419	Thermal-Fluid Systems Design	4
ME 425	Mech. Design	4
ME 457	Seminar	1/2
	Technical Elective	3
	Technical Elective	3
	Physical Education	1/2
	AS, MS, or NS	2
TOTAL		**17**

Second Semester

	Subject	Semester Hrs. Credit
ME 444	Mechanical Engr. Design	3
	Technical Elective	3
	Elective	3
	Math/Science Elective	3
	Civil & Cultures	3
ME 458	Seminar	0
	Physical Education	1/2
	AS, MS, or NS	2
TOTAL		**17 1/2**

Total Hours: 140 (includes 54 hours of specified mechanical engineering courses)

Electives are chosen from the distribution requirements shown on the next page.
For all Mechanical Engineering and Technical Elective courses taken or attempted in this curriculum, a minimum 2.0 average must be maintained.
* Minimum grade of C required
** To facilitate scheduling in the department half of the cadets majoring in ME will take PS 344 and half will take EE 351.