Mechanical Engineering Sample Schedule

	Total Credit Hours	Term: 1	2	3	4	5	6	7	8
Subjects Required by all Programs (52-55 hours)									
Mathematics 115+, 116+, 215+, 216+	16	4	4	4	4	-	-	-	-
Engineering 100, Introduction to Engineering+	4	4	-	-	-	-	-	-	-
Engineering 101, Introduction to Computers+	4	-	4	-	-	-	-	-	-
Chemistry 125+/126+ and 130+ or Chemistry 210+ and 211[1]+	5	5	-	-	-	-	-	-	-
Physics 140+ with Lab 141+; Physics 240+ with Lab 241+[2]	10	-	5	5	-	-	-	-	-
Intellectual Breadth (including one course in economics or financials[4])	16	3	4	-	-	-	3	-	6
Related Program Subjects (7 hours)									
Advanced Mathematics[3]	3	-	-	-	-	-	3	-	-
EECS 314, Elect Cir, Sys, and Appl or EECS 215, Intro to Circuits	4	-	-	-	-	4	-	-	-
Program Subjects (45 hours)									
ME 211, Introduction to Solid Mechanics +	4	-	-	4	-	-	-	-	-
ME 235, Thermodynamics I+	3	-	-	-	3	-	-	-	-
ME 240, Introduction to Dynamics and Vibrations+	4	-	-	-	4	-	-	-	-
ME 250, Design and Manufacturing I *	4	-	-	-	4	-	-	-	-
ME 320, Fluids I+	3	-	-	-	-	3	-	-	-
ME 335, Heat Transfer #	3	-	-	-	-	-	3	-	-
ME 350, Design and Manufacturing II *	4	-	-	-	-	4	-	-	-
ME 360, Systems and Controls *	4	-	-	-	-	-	4	-	-
ME 382, Engineering Materials *	4	-	-	-	-	4	-	-	-
ME 395, Laboratory I *	4	-	-	-	-	-	4	-	-
ME 450, Design and Manufacturing III #	4	-	-	-	-	-	-	-	4
ME 495, Laboratory II #	4	-	-	-	-	-	-	4	-
Electives (21 to 24 hours)									
Technical Electives #[3]	9	-	-	-	-	-	-	6	3
Specialization Elective #[5]	3								3
General Electives #	9	-	-	3	-	-		6	
Total	***128***	***16***	***17***	***16***	***15***	***15***	***17***	***16***	***16***

Revised: April-18

Candidates for the Bachelor of Science Degree in Engineering in Mechanical Engineering - B.S.E. in Mech. E. - must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.

Notes:

1. If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams or transfer credit from another institution for Chemistry 130/125/126 or Chemistry 210/211, you will have met the Chemistry Core Requirement for the College of Engi

2. If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams or transfer credit from another institution for Physics 140/141 and/or Physics 240/241 you will have met the Physics Core Requirement for the College of Engineering.

3. Advanced Mathematics, and Technical Electives: A list of approved courses is available on the ME Dept website & in the Academic Services Office (ASO), 2380 G.G. Brown.

4. The ME department requires each student to take at least 3 credit hours economic or financial course as part of their Intellectual Breadth requirements. Any course on the supplied list within LSA fulfills the Intellectual Breadth as a LAC. Any c

5. A specialization elective is any three hour credit course that meets the requirement of either 1) have a 300 level or higher prerequisite or 2) be any 300 level or higher ME course.

(+) Students must earn a "C" or better in prerequisite courses indicated by the (+) symbol;
(*) Students must earn a "C-" or better in pre-requisite design/manufacturing or lab course indicated by (*) symbol;
(#) Students must earn a "D" or better in advanced courses indicated by the (#) symbol.
Any grade less than indicated means this class must be repeated prior to taking a subsequent class for which this class is required.
Students are limited to two "attempts" without permission from the ME Associate Chair for undergraduate education.
"D" Rule: No grade less than a "D" shall be earned in any course used for degree credit.
Candidates for the B.S.E. (ME) - must complete the program listed above. This is just a sample of a schedule that will lead to graduation in eight terms.