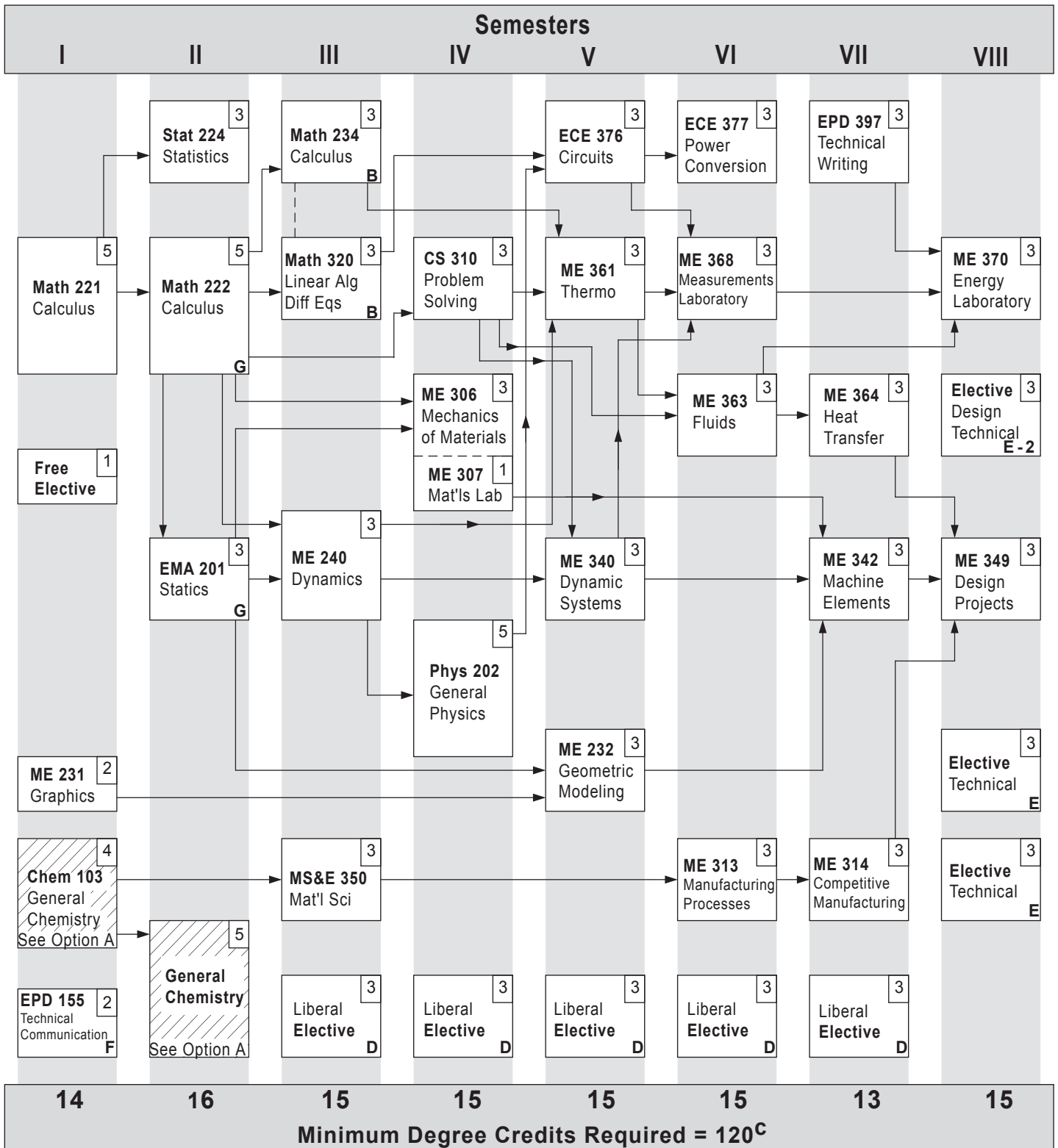


# MECHANICAL ENGINEERING CURRICULUM FLOW CHART

(PRELIMINARY EFFECTIVE FOR STUDENTS ENTERING ME SPRING '97 AND LATER)<sup>5</sup>



- Notes:
- The arrow lines indicate prerequisites.
  - The upper right-hand number in each course rectangle indicates credits.
  - The lower right-hand letter in some course rectangles is explained on the reverse side.
  - This is a suggested sequence for completing the ME degree requirements. Students taking Phys 205 instead of Chem 104, transfer students, and students wishing to take more or less than the designed number of credits per semester must modify the Flow Chart. Courses can be relocated when necessary or convenient, but prerequisites (arrow lines) must be adhered to. If you need assistance, see your advisor or visit the Student Services Offices (241 or 243 ME, or the ME Registrar (349A ME)).
  - This curriculum is preliminary and subject to change.

Revised April 2001

**SEE SUPPLEMENTARY DATA ON REVERSE SIDE**

## FLOWCHART SUBSCRIPTS

- A. Option 1**—Chem 103, 4 credits and Chem 104, 5 credits OR Chem 103, 4 credits and Phys 205, 3 credits;  
**Option 2**—Chem 109, 5 credits. If Chem 109 or Phys 205 is taken, students must take more free electives to meet the minimum number of credits required for the degree. Students should note that Phys 202 is a prerequisite for Phys 205.
- B.** Math 234 may be taken concurrently with Math 320.
- C.** Students fulfilling their course requirements with less credits than specified on the flow chart must take additional free-elective credits to comply with the 120 credit minimum graduation requirement.
- D. Liberal Studies Requirements:** Students must take 15 credits that carry H, S, L, or Z Timetable breadth designators. These credits must fulfill the following subrequirements:
1. A minimum of two courses from the same department or program. At least one of these two courses must be designated as above the elementary level (I, A, or D) in the timetable.
  2. A minimum of six credits designated as humanities (H, L, or Z) in the timetable, and an additional minimum of three credits designated as social studies (S or Z) in the timetable. Foreign Language courses count as H credits. Retroactive credits for high school language courses may not be used to meet the Liberal Studies requirement.
  3. At least three credits in courses designated as ethnic studies (lower case "e") in the timetable. These courses may help satisfy requirements D1 and D2 as well, but they only count once toward the total required.

### E. TECHNICAL ELECTIVES

1. Technical electives include formal\* engineering, mathematics, physics, chemistry, statistics or computer science courses numbered 400 and above. The following courses are also accepted as technical electives:

<b>Comp Sci</b> 354, 367	<b>Ch E</b> 320, 326
<b>Chemistry</b> 341, 343, 345	<b>ECE</b> 320, 330, 340, 342, 345, 352, 353, 354, 355
<b>Math</b> 321, 322	<b>EPD</b> 374, 375, 376
<b>Physics</b> 311, 321, 322, 325	<b>Ind Engr</b> 323, 349
<b>Statistics</b> 311, 312, 333, 349, 351	<b>MS &amp; E</b> 330, 332, 352, 370
<b>BSE</b> 351, 361, 362, 364	<b>ME</b> 350, 379
<b>Civ Engr</b> 311, 315, 316, 320, 325, 327, 330, 355, 356, 370, 375	<b>NEEP</b> 305

2. A minimum of 3 credits must be selected from the following Mechanical Engineering *Design Technical* electives:  
 417 418 426 437 438 439 440 444 447 450 452 461 462 466 468 469 471  
 477 491 492 508 535 540 545 546 549 556 565 567 569 570 601 603
3. One credit of Cooperative Education (ME 001) can be counted for technical-elective credit.

\* A formal course is defined as a class which meets regularly in a lecture format to study a selected topic. The educational mission is assisted with homework and exams. This excludes seminars, special topics, survey, and other similar courses.

- F.** If your GER communications Part A is satisfied you are exempt from this requirement. This requirement can also be fulfilled with: Ag Journ 100, Com Arts 100, Engl 100, Engl 118, or IES 200.

- G.** EMA 201 may be taken concurrently with Math 222.

### SPECIAL NOTES

- Students in their last semester before graduation taking less than 12 credits must have the Dean's permission to avoid probationary status.
- A list of courses remaining to be completed for your graduation (Senior Summary) is available on request in the Student Services Office, Rm 238 ME each semester for Seniors.
- Advisor listing on your grades, file, etc. can be officially changed by going to Rm. 238 ME.
- Problems and questions concerning this curriculum should be directed to the:  
 ME Student Services personnel, Rm 238 ME (262-0666) or to the ME Registrar, Room 3136 ECB (263-2893).