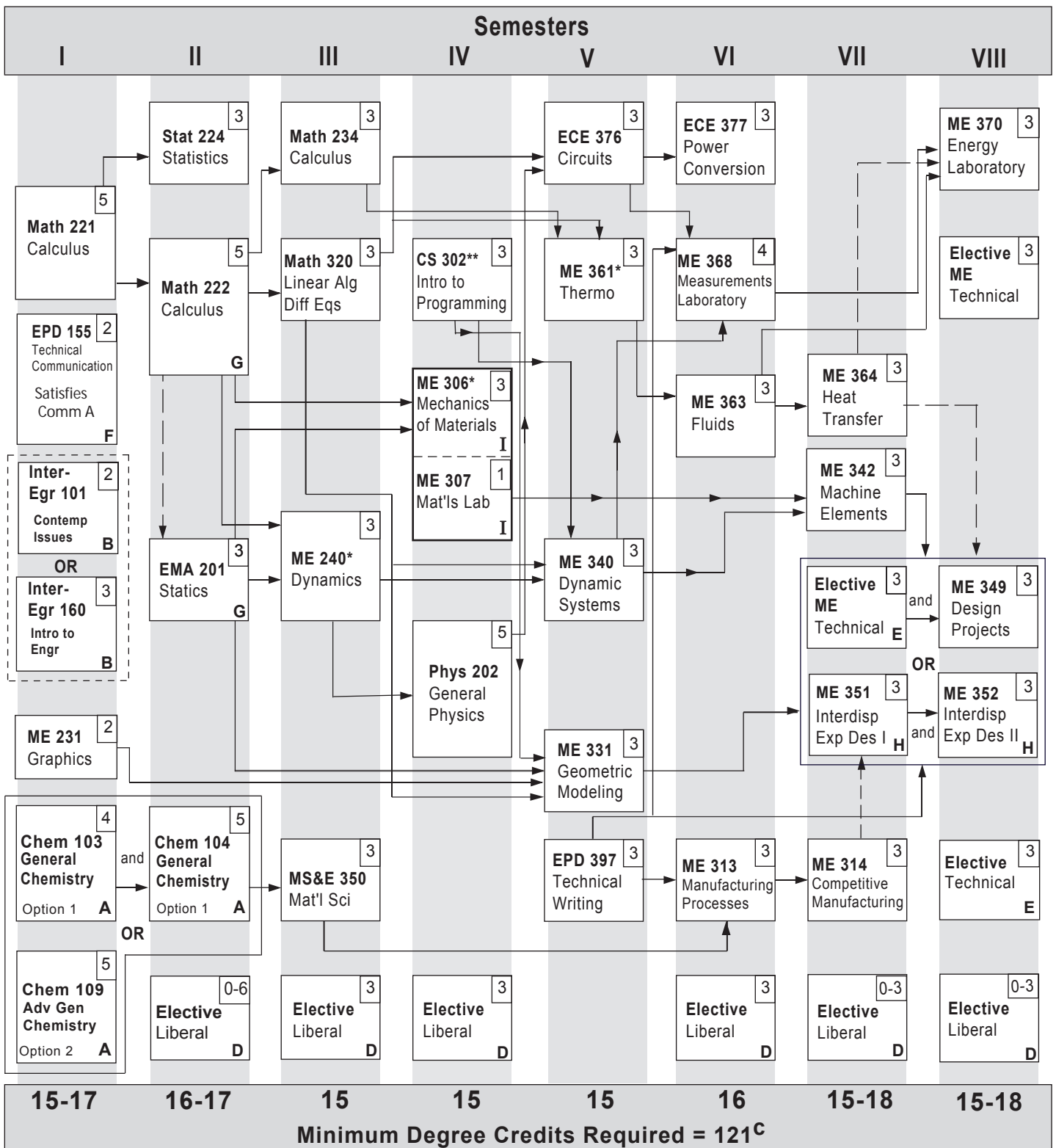


# RECOMMENDED MECHANICAL ENGINEERING CURRICULUM FLOW CHART

Effective for Students Entering ME Fall 2009 and Later



- Notes:
- The solid arrow lines indicate prerequisites. The dashed lines indicate concurrent registration or 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 recommended sequence for completing the ME degree requirements. 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 Office (Rm. 3182 ME). Mechanical Engineering's web site: <http://www.engr.wisc.edu/me/>
  - (\*) A minimum grade of C is required in ME 240, ME 306, and ME 361 if you joined ME in Fall 2007 or later.
  - (\*\*) CS 310 will be accepted if it was taken before September 1, 2007.
  - (+) ME 306 and ME 307 must be taken concurrently.

Revised March 2009

**SEE SUPPLEMENTARY DATA ON REVERSE SIDE**

# FLOW CHART SUBSCRIPTS

(Revised January 2009)

- A. Option 1—Chem 103, 4 credits and Chem 104, 5 credits  
Option 2—Chem 109, 5 credits. Note: If Chem 109 is taken, students may need free elective credits to meet the minimum number of credits (121) required for graduation.
- B. Inter-Egr 101 (2 credits) or Inter-Egr 160 (3 credits) both satisfy the college requirement for introduction to engineering.
- C. Students fulfilling their course requirements with fewer than 121 credits must take additional free-elective credits to comply with the 121 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 2 courses from the same department or program. At least 1 of these 2 courses must be designated as above the elementary level (I, A, or D) in the timetable.
  2. A minimum of 6 credits designated as humanities (H, L, or Z) in the timetable, and an additional minimum of 3 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 3 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.  
Note: Courses may have "e" designation and may not have H, S, L, or Z designation.

## E. TECHNICAL ELECTIVES

The Mechanical Engineering curriculum requires a total of 9 credits of technical electives. A minimum of 6 of the 9 credits must be for formal courses. (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. Formal courses cannot be seminar, survey, or other similar courses.)

A minimum of 3 (of the required 6) formal course credits must be for Mechanical Engineering courses with course numbers 400 or higher or for ME 351. Note that formal classes with course designation ME 601 meet this criterion.

Up to 3 technical elective credits may be earned for formal classes in engineering, mathematics, physics, chemistry, statistics, or computer science courses numbered 400 and above. The following courses are also accepted as technical electives:

Comp Sci 354, 367	BSE 351, 364	EPD 374, 375
Chemistry 341, 343, 345	CEE 311, 315, 316, 320, 325, 330, 355,	ISyE 323, 349
Math 321, 322	356, 370, 375	MS & E 330, 332, 352, 370
Physics 311, 321, 322, 325	CBE 320, 326	NEEP 305
Statistics 311, 312, 333, 349, 351	ECE 320, 330, 340, 342, 352, 353,	
	354, 355	

Up to 3 technical elective credits may be obtained for non-formal courses or activities such as outreach courses and independent study courses (ME 491, 492). Up to 1 credit of Cooperative Education (ME 001) can be counted for technical elective credit.

- 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 or after Math 222 is completed.
- H. STUDENTS TAKING ME 351 - ME 352 will meet the requirement for ME 349 and 3 credits of ME technical elective. Those opting out of ME 352 will be required to take ME 349, and ME 351 will count as a ME technical elective.

## SPECIAL NOTES

- Students in their last semester before graduation taking less than 12 credits (part-time status) must have the Dean's permission to avoid probationary status.
- Advisor listing on your grades, file, etc. can be officially changed by going to Rm. 3182 ME.
- Problems and questions concerning this curriculum should be directed to: Student Services Staff, Rm. 3182 ME, or your Mechanical Engineering Advisor.
- Mechanical Engineering's website is found at: <http://www.engr.wisc.edu/me/>