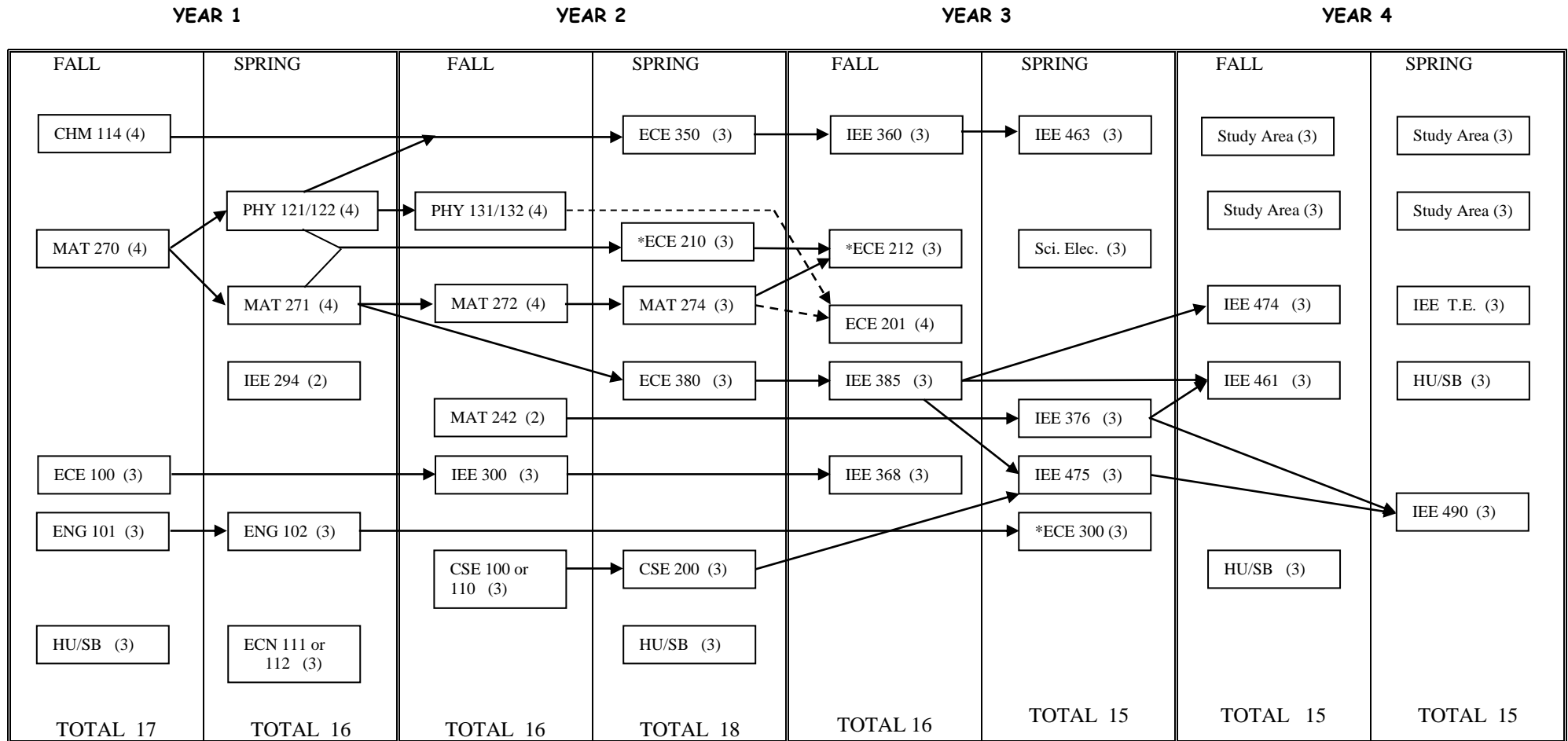


IE 2004-05 Curriculum Flowchart



*ECE 300 Pre-requisites – ENG 102, ECE 100, ECE 210 and ECE 201 or 212 or 350. ECE 100 or 200 is also a pre-requisite of ECE 210 and 201.

*Basic Science Elective = GLG or BIO (required for that particular major, ex: GLG 101, 102 or BIO 187, 188) or a higher level of Physics or Chemistry

*IEE 368 can be replaced by IEE 369 for Spring. IEE 368, 374, 431, 437, 461, Fall only classes; IEE 369, 463 Spring only classes

*HU/SB's can be found in the General Catalog under General Studies

-----> Pre or Co-requisite for course

NOTE 1: IE Electives – Students select 2 semester hours of Industrial engineering electives. IEE 361 Manufacturing Processes Lab is highly recommended. For course information, see the list of recommended courses in the department advising office GWC 503.

NOTE 2: Career-Focused Study Area Electives – Students select a minimum of 12 semester hours from the following recommended electives in one of five career focused study areas. *Certain areas may require more than 12 semester hours due to class pre-requisites.

- A) Industrial and Management Systems – IEE 305 (3); IEE 431 (3); any approved engineering or business electives (3); any approved engineering elective (3)
- B) Information and Telecommunication Systems – CSE 210 (3); CSE 240 (3); IEE 305 (3); IEE 494 Information Systems Development Tools (3)
- C) Global Industrial Engineering Leadership – ECN 306 (3); IBS 300 (3); IBS 400 (3); any approved international business elective (3)
- D) High-Tech Manufacturing* - ECE 352 (4); EEE 435 (3); EEE 436 (3); MSE 355 (3); MSE 441 (3); MSE 470 (3)

E) Service Systems Specialization Areas – A student desiring a focus area other than those listed is invited to create his/her own, which concentrates on a professional or service area. The student will be expected to formulate a set of four courses (12 semester credit hours), which support his/her career option. The student will need to submit a petition to the IE department which explains and supports the focus and the courses selected. The IE Associate Chair for Undergraduate Studies must approve the petition before the student begins study in the focus area. Please see the IE Academic Advisor for more information.