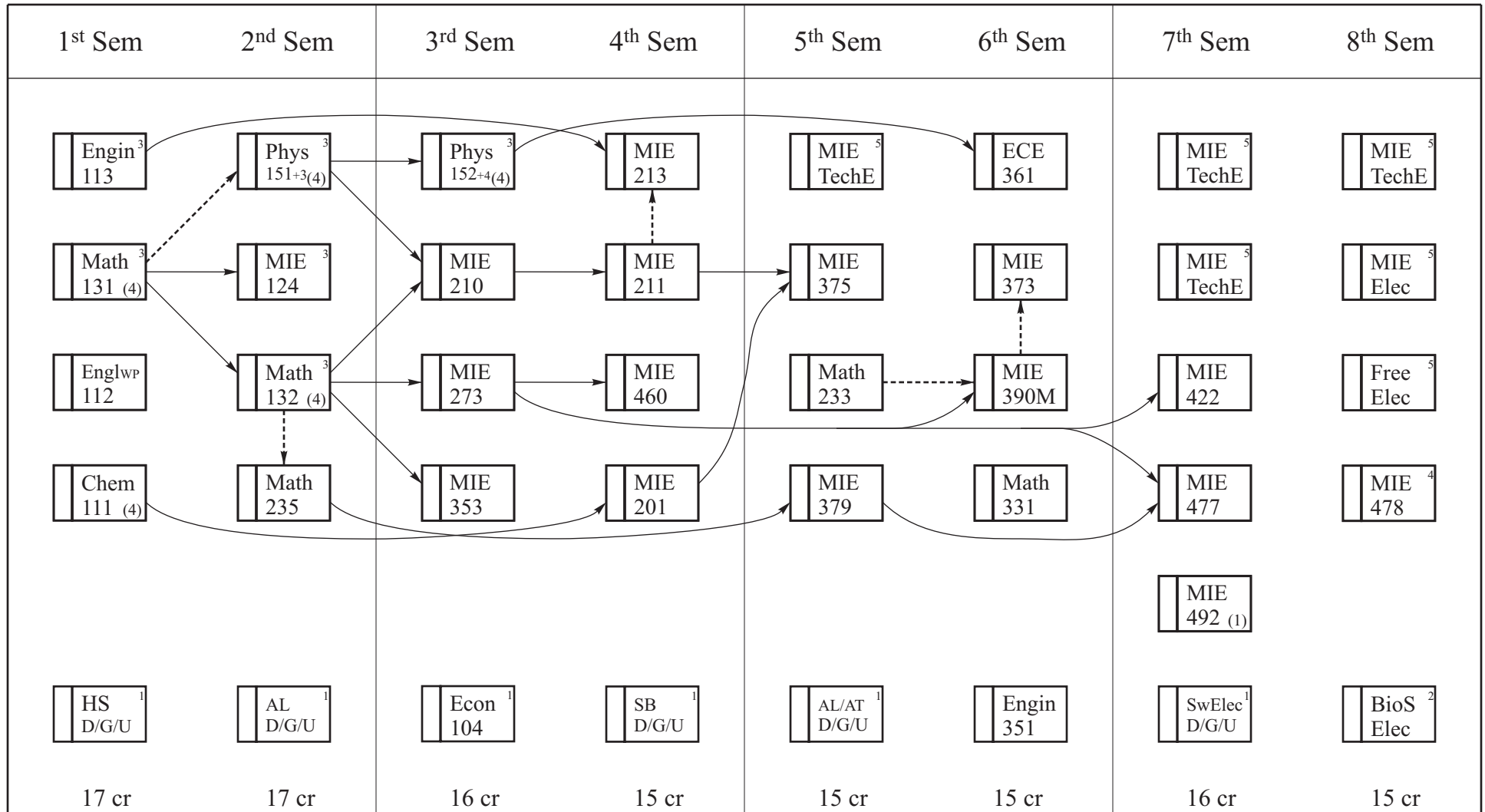


Mechanical and Industrial Engineering Department
INDUSTRIAL ENGINEERING CURRICULUM (IE 2003 - 2009)
 Curriculum for the Classes of 2003 - 2009, entering the IE Major after 1/2001



MIE (1) Note on reverse
401 (4) Credits, if other than 3

- Prerequisite course
- - - - - → Prerequisite that may be taken concurrently

Scheduling Note: Courses offered vary from year to year and from semester to semester. The sequence of courses shown is only a sample. Students will plan their individual programs after consulting the University Pre-Registration Materials and the MIE Department Pre-Registration Notes.

Graduation Clearance: Both University and Department Cumulative GPAs of 2.0 are required for graduation.

Total Credits: 126
 Revised 4/1/2005
 Catalog 2001-02
 to 2005-06

IE Degree Program, Flowchart Notes

STUDENT NOTE: The flowchart is not the official student record. It should be used in conjunction with your university transcript. Consult the undergraduate catalog for more detailed explanations of department, college, and university graduation requirements.

Notes: 1. **Social World Requirement:** 6 COURSES (one from each group)

- 1) AL 4) HS or AL or AT or SB or I
- 2) SB 5) AL or AT or I
- 3) HS 6) SB or I

Social World Diversity Requirement

For students who entered the University prior to Fall 2002, two of the six Social World courses must have a Diversity designation (D, G or U)

For students who entered the University during or after Fall 2002, one of the six Social World courses must have global diversity designation (G) and one must have a United States diversity designation (U)

- 2. **Biological Science Requirement:** Any course having the Biological Science (BS) designation.
- 3. **Alternative Courses:** An approved alternative exists to the “standard” course shown in the flow chart, e.g. Math 135 can be taken in place of Math 131. Please refer to the catalog.
- 4. **Capstone Prerequisites:** All required IE courses are corequisites for MIE 478, i.e. all required IE courses must be taken prior to or concurrently with MIE 478. Permission of the instructor is required in any case in which all prerequisites are not met.
- 5. **IE Program Electives:** The IE curriculum includes 4 MIE Tech Electives, an MIE Elective and a Free Elective. Students are encouraged to use elective courses to delve deeper into one of the application areas or disciplines related to the core IE curriculum. Advisors can help students in selecting appropriate groups of courses or “tracks.” Generally, electives are offered in only one semester and some are not offered every year.

An MIE elective is any MIE course at or above the 300 level except MIE 520 or MIE 586.. Courses related to IE but taught in other Engineering Departments, Math, or SOM may be acceptable. See Professor Rinderle for approval of non MIE courses.

The MIE Tech elective is any MIE elective except 585 and 587. Most upper level engineering and math courses will also be acceptable. See Prof. Rinderle for approval of non MIE courses.

The free elective can be any course at the university except one that is a prerequisite for a required course, e.g. Math 104.

Revised 4/1/2005