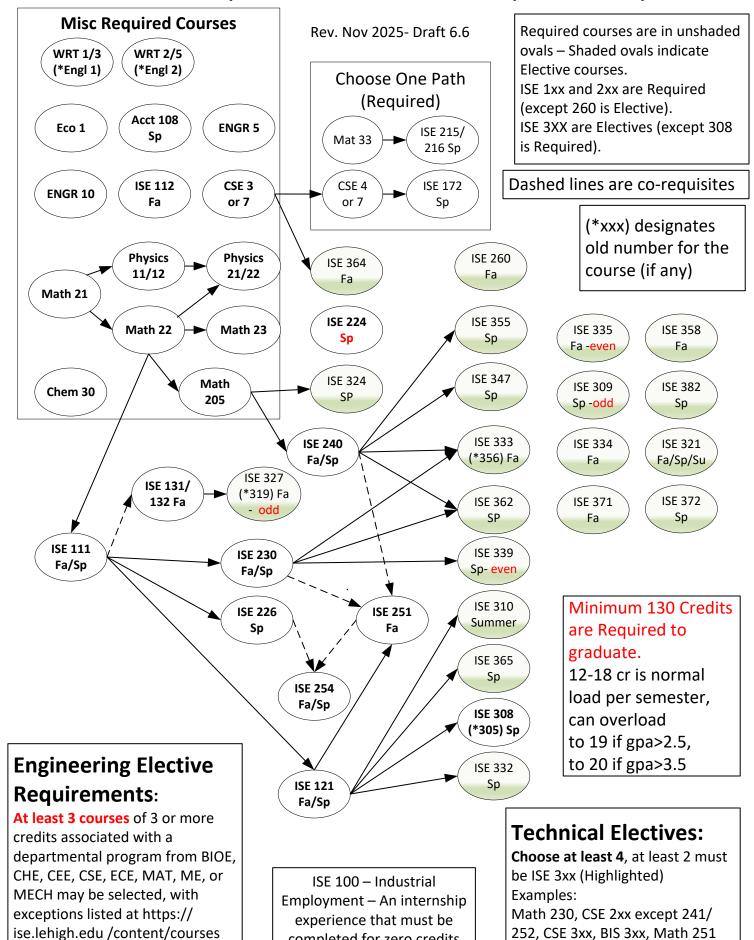
## ISE Requirements and Prerequisite Map



completed for zero credits

### **HSS Requirements:**

A minimum of four multi-credit courses and a minimum of 13 credits in courses designated as HU (humanities) or SS (social science), with the following restrictions:

- 1.Depth: At least eight credits must be in a common discipline and from the same department or program. At least three of these credits must be at the 100-level or above, or at the intermediate level or above for a single modern foreign language.
- 2.Breadth: At least three credits in a discipline different from, and not cross-listed with, the discipline employed to satisfy the depth requirement.
- 3.At least three credits must be designated as HU.
- 4. None of the courses used for HSS can be taken Pass/Fail.
- 5. None of the course can be one-credit courses.

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NEW HSS Requirements (starting FALL 2025) check your audit for details:

A minimum of three courses and a minimum of **12 credits** in courses from the following four categories: HE, SW, AL, CGH, POPH

Breadth: At least one course of three credits or greater must be taken in each of two different categories.

Humanities: At least one course must have an HE or AL designation

None of the courses can be taken Pass/Fail. All courses must be two credits or greater.

## Note on Engineering Electives:

If ISE 215/216 is taken, Mat 33 is Required and no longer count as an Eng'g Elective. CSE 007 is a combination of CSE003+CSE 004, and is required for ISE 172. CSE 007 is NOT eligible as an Engineering elective since CSE003, which is 2 credits of the course is required for the ISE degree, and Eng'g Electives has to be 3 or more credit hours.

#### List of courses excluded from consideration as an Engineering Elective:

CHE 171 (CEE 171, EMC 171, ES 171) Fundamentals of Environmental Technology 4 Credits

CEE 010 (ARCH 010) Engineering/Architectural Graphics and Design 3 Credits

CSE 007 Introduction to Programming

CEE 202 CEE Planning and Engineering Economics 3 Credits

CSE 042 (EMC 042) Game Design 3 Credits

CSE 252 (EMC 252, GCP 252, STS 252) Computers, the Internet, and Society 3 Credits

CSE 241 Database Systems and Applications 3 Credits

CSE 379 Senior Project 3 credits

MAT 020 Computational Methods in Materials Science 3 Credits

ME 010 Graphics for Engineering Design 3 Credits

ME 240 Manufacturing 3 Credits

# A student may take one of the courses in the following course sets for use as an Engineering Elective:

CEE 003 Engineering Statics or MECH 2 Elementary Engineering Mechanics or MECH 3 Fundamentals of Engineering Mechanics 3 Credits

CEE 059 Strength of Materials or MECH 12 Strength of Materials 3 Credits