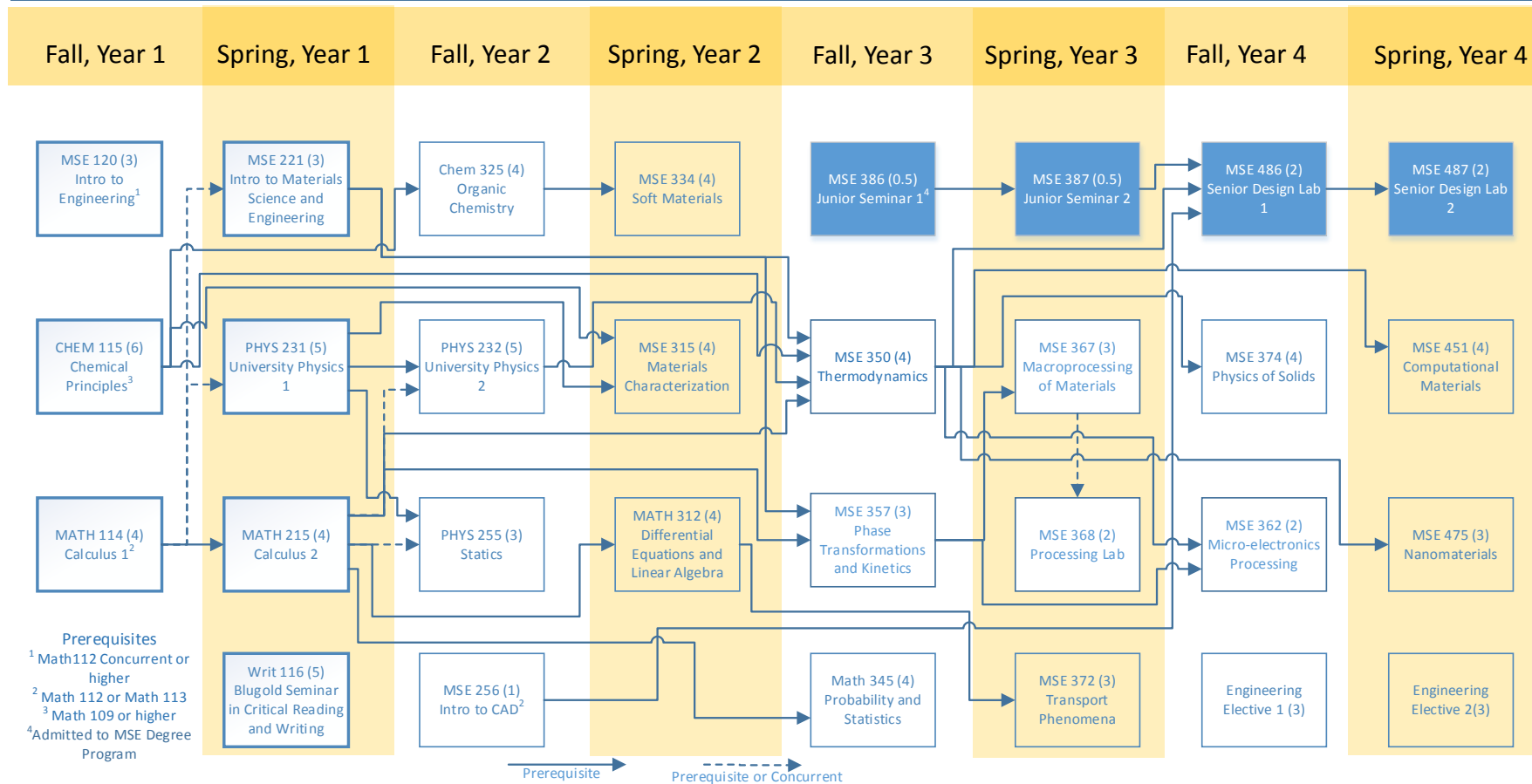


# Materials Science **AND** Engineering

## Curriculum Flow Chart



Notes: The flow chart does not include courses required to satisfy the Liberal Education Core. Please consult with your academic advisor each semester to stay on course for timely completion of the degree.

### **Tips for completing your degree outside the MS&E major:**

1. All students must complete the UWEC Liberal Education (LE) core, which requires 17 learning experiences across 11 learning outcomes. Courses in the MSE core curriculum with a LE designation include MATH 109/112/114 (S2), CHEM 103 (K1+Lab), PHYS 231 (K1+Lab), PHYS 232 (K1+Lab), WRIT 114/116 (S1), MSE 120 (S3), MSE 315 (S3), and MSE 487 (I1).
2. After completing the courses listed above, the following experiences are needed to satisfy the LE core:
  - Two experiences in K2
  - Two experiences in K3
  - One experience in K4
  - One experience in S1
  - Two experiences in R1 (one must meet the UW System Design for Diversity (DD) requirement)
  - One experience in R2
  - One experience in R3
  - One experience in I1
  - 30 hours of approved service-learning activity
3. Although you are free to choose LE courses that are of interests to you, the Materials Science faculty strongly recommend ECON 103 (K2) due to its close relation with the MSE curriculum. Other courses that will provide helpful context to your MS&E degree include ENV 101 (K2, R3), ENV 377 (K2, R3), and BIOL 180 (R3, I1).
4. Some courses meet more than one learning outcomes, and some courses meet half or full service-learning requirement. Taking advantage of these courses could lead to earlier fulfillment of the LE and/or service-learning requirement. Please refer to <https://goo.gl/umDQfN> for a complete list of available LE courses and their designation.
5. A minimum of 92 credits is required to complete the major and a minimum of 128 credits to complete your degree. On average, 16 credits per semester are needed to graduate in four years. Summer and/or Winterim courses can reduce the per- semester workload.
6. Please refer to the MSE catalog, available at <https://goo.gl/aF5TaV>, for more detailed information. A sample four-year degree plan is available at <https://goo.gl/Wn2eWJ>.
7. Please talk to your advisor if you have any questions.