

List of Available Technical Electives and Graduate Courses for 2023-2024

Technical Electives Rules for undergraduate students:

- (1) At least 9 ch must be taken, with at least 6 ch of ME courses.
- (2) Courses may be selected from approved Engineering, Science, Math or Computer Science courses having course numbers 3000 or higher.
- (3) Courses at the 6000 level normally require a GPA of 3.0 or higher. Also, students need to fill the course registration form and ask permission from the instructor.
- (4) The Option programs have other requirements and designated lists of technical electives.

Note that:

4000 level are undergraduate courses

5000 level are undergraduate/graduate courses

6000 level are graduate courses

For courses shown as TBD, instructors will contact class members to arrange class times.

Winter term 2024:

ME 4703 1B Mechanical Engineering Measurements (4 ch) TTh 1:00-2:20 Lab: M 2:30-5:20 (Y. Losier)

ME 4703 2B Mechanical Engineering Measurements (4 ch) TTh 1:00-2:20 Lab: Th 2:30-5:20 (Y. Losier)

ME 5113 Advanced Solid Mechanics of Composites (4 ch) TTh 1:00-2:20 (G. Saha)

ME 5653 Predictive Control and Intelligent Sensors (4 ch) TTh 11:30 – 1:00 pm (R. Dubay)

ME 5673 Acoustics (3 ch) TBD (J. Hall)

ME 5578 Low Speed Aerodynamics (4 ch) TTh 10:00-11:30 (T. Jeans)

ME 5833 1B Personal Electric Vehicles (3 ch) TBD (P. Garland/Y. Losier)

ME 5933 Industrial Ecology (3 ch) M 10:30-1:30 (M. Afzal)

ME 6003 1B Recent Progress in Alloy Design (3 ch) WF 6:00-7:20 pm (C. Aranas)

ME 6003 2B Advanced Predictive Control & Intelligent Sensors (3 ch) TTh 11:30 – 1:00 pm (R. Dubay)

ME 6003 3B Experimental Aerodynamics (3 ch) TBD (N. Gao)

ME 6003 4B Advanced Topics in Additive Manufacturing (3 ch) TTh 10:30-12:00 (H. Asgari)

ME 6313 Advanced Topics in Computational Fluid Dynamics (3 ch) TBD (A. Gerber)

TME 3313 Managing Engineering and Information Technology Projects (3 ch) - M 5:30-8:20 pm (TBD)

TME 3423 Technology Risk and Opportunity (3 ch) - M 6:00-8:50 pm (TBD)