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 TBA, instructors will contact class members to arrange class times.

Fall term 2023:

ME 5122 Solid State Phenomena (3 ch) TTh 10:00–11:30 (C. Aranas)
ME 5143 Robot Kinematics (4 ch) MWF 12:30-1:30, Lab: TBA (J. Carretero)
ME 5503 Computational Fluid Dynamics to Industrial Processes (3 ch) M 6:00-8:50 pm (A. Gerber)
ME 5643 Automatic Controls II (4 ch) TTh 10:00-11:30 (R. Dubay)
ME 5953 Embedded Flight Control Systems (4 ch) TTh 10:00-11:30, Lab F 2:30-5:30 (Y. Losier/N. Gao)

ME 6003 (1A) Additive Manufacturing (3 ch) M 10:00-12:50 (M. Mohammadi)
ME 6003 (3A) Advanced Automatic Controls II (3 ch) TTh 10:00-11:30 (R. Dubay)
ME 6003 (4A) Bioenergy and Bioproducts (3 ch) M 10:30-1:30 (M. Afzal)
ME 6383 Continuum Mechanics (3 ch) TTh 2:30-3:50 (G. Saha)
ME 6393 Turbulence Shear Flows (3 ch) M 2:30–5:30 (J. Hall)
ME 6633 Vibration of Continuous Systems (3 ch) M 5:00-7:50 (P. Garland)

ECE 3111 Electronics I (4 ch) MWF 1:30-2:20 (2 sections with different lab times) (A. Wilson)
ECE 3221 Computer Organization (4 ch) MWF 11:30-12:20 (2 sections with different lab times) (A. Wilson)

MATH 3243 Complex Analysis (3 ch) MWF 9:30-10:20 (N. Touikan)

TME 3213 Quality Management (3 ch) Th 6:30-9:20 (TBA)
TME 3313 Managing Engineering and Information Technology Projects (3 ch) - M 5:30-8:20 pm (TBA)