MECH Electives & Grad Only Courses

All undergrad students MUST take one (T) Technical elective and one (D) Design elective.
One additional elective must be taken that will count as the (S) Senior elective.
*A review of your electives should be discussed with your advisor prior to registration.
*Courses and instructors are subject to change without notice.

Spring 2026

MATL 4/873 (T, S) Corrosion – Cui
MATL 4/892 (T, S) Soft Materials – Tan
MATL 4/892 (T, S) Intro to Quantum Materials – Laraoui
MECH 4/806 (D, T, S) Air Conditioning Systems Design – Zhang
MECH 4/837 (D, T, S) Biomedical Device Design – Nelson
MECH 4/849 (T, S) Adv. Dynamics – Baesu
MECH 4/850 (D, T, S) Control Systems Design – Lehman
MECH 4/851 (T, S) Intro to Finite Element Analysis – Bobaru
MECH 4/892 (D, T, S) Making for Innovation – Farritor
MECH 4/892 (T, S) Mathematical Modeling of Physiological Systems – Razavi
MECH 4/892 (T, S) Biofabrication – Meng
MECH 4/892 (D, S) Parametric Scripting & Design - Wagner

Grad ONLY

MATL 998 Adv. Electron Microscopy – Sutter
MECH 801 Analytical Methods in Engineering I – Grover
MECH 888 – Nonlinear Optimization in Engineering - Bobaru
MECH 925 Manufacturing & Dynamic Systems Modeling – Rajurkar
MECH 942 Theory of Plasticity – Negahban