Bachelor of Science in Engineering Technology 2027-2028 (proposed)

Mechanical Systems Design

Field-of-study course | ET core course | Required, outside the field | Open elective slot

Freshman Fall

TECH 1711 (3)
Manufacturing Process I
ET core, fixed semester
Leads to: TECH 4472 (Jr Fa)

Freshman Spring

TECH 1521 (3)
Graphics/Descriptive Geometry
ET core, fixed semester
Leads to: TECH 4472 (Jr Fa)

Sophomore Fall

1 elective slot

1 open slot any technical elective

Sophomore Spring

2 elective slots

TECH 3401 (3)
Strength of Materials
Needs: MATH 1910 (Fr Sp), PHYS 2010 (So Fa), PHYS 2011 (So Fa)
Take with: TECH 3044 (same term or earlier)
Window: So Sp, Jr Sp
Leads to: TECH 3573 (Jr Fa), TECH 4472 (Jr Fa)

TECH 3044 (4)
Analysis for Engineering Tech
ET core, fixed semester
Leads to: TECH 3573 (Jr Fa)

TECH 3421 (4)
Manufacturing Process II
Window: So Fa - Sr Fa
Leads to: TECH 4571 (Jr Sp)

Proposed sequence and fall/spring rotation (2026-10-07, effective Fall 2027). Rows are semesters; arrows are prerequisites.

Bachelor of Science in Engineering Technology 2027-2028 (proposed)

Mechanical Systems Design

Field-of-study course | ET core course | Required, outside the field | Open elective slot

Junior Fall
2 elective slots

TECH 3573 (3)
Dynamics/Design/Automation
After: TECH 3044 (So Sp), TECH 3401 (So Sp)
Needs: PHYS 2010 (So Fa), PHYS 2011 (So Fa)
Window: Jr Fa - Sr Sp

TECH 4472 (3)
Computer Aided Design
After: TECH 1711 (Fr Fa), TECH 1521 (Fr Sp), TECH 3401 (So Sp)
Or: Junior standing + MECH 2320/2332 instead of TECH 3401
Window: Jr Fa - Sr Fa

Junior Spring
2 elective slots

1 open slot any technical elective

TECH 4571 (3)
Tool Design
After: TECH 3421 (So Sp)
Window: Jr Sp - Sr Sp

Senior Fall
2 elective slots

2 open slots any technical elective

Senior Spring
2 elective slots

2 open slots any technical elective

Proposed sequence and fall/spring rotation (2026-10-07, effective Fall 2027). Rows are semesters; arrows are prerequisites.