Mechanical Engineering Undergraduate Program (2020-21)

NOTE: Degree requirements and prerequisites stated in the University Catalog take precedence over this flow chart depiction of them.

• Mechanical Systems
○ Energy Systems

FRESHMAN

Fall Semester (16)

- ENGL 1010 (3) Englsh Cmp I
- MATH 1910 (4) Calculus I
- ENGR 1010 (3) Engr Prob.
- MECH 1310 (2) Intro to Eng (Fall only)
- CHEM 1111 (1) Chem. I Lab
- CHEM 1110 (3) Chemistry I

Spring Semester (15)

- MECH 1314 (2) Computing II (Spring only)
- ENGL 1020 (3) Englsh Cmp II
- MATH 1920 (4) Calculus II
- PHYS 2110 (3) Physics I
- PHYS 2111 (1) Physics I Lab
- MECH 1312 (2) Computing I (Spring only)

SOPHOMORE

Fall Semester (17)

- ENGL 2201 (3) Lit. Heritage
- MATH 2110 (4) Calculus III
- CIVL 2131 (3) Statics
- PHYS 2120 (3) Physics II
- PHYS 2121 (1) Physics II Lab
- MECH 2318 (3) Dsgn Com (Fall only)

Spring Semester (15)

- MECH 2311 (3) Thermo I ○
- EECE 2201 (3) Circuits I
- MATH 2120 (3) Diff. Eqns
- MECH 2332 (3) Dynamics
- MECH 2320 (3) Mech. Mat'ls •

JUNIOR

Fall Semester (16)

- MECH 3312 (3) Thermo II ○
- MECH 3331 (3) Fluid Mechanics ○
- MECH 3321 (3) Mechanics of Machines •
- Social Science (3) Elective
- MECH 3325 (1) Mat'ls Lab •
- MECH 3320 (3) Materials •

Spring Semester (17)

- MECH 3341 (3) Num and Stat Meth
- MECH 3335 (1) Fluid Mechanics Lab ○
- MECH 3351 (3) Ht Transfer (Spring Only) ○
- MECH 3323 (3) Mach Design •
- ENGL 3603 (3) Engr. Comm.
- Natural Science Elective Lab (1)
- Natural Science Elective (3)

SENIOR

Fall Semester (16)

- MECH Elective (3)
- MECH 4355 (1) H.T. Lab ○
- MECH 4300 (1) Prep For Prac (Fall Only)
- MECH 4314 ○• (3) Sen. Design I (Fall Only)
- MECH 4319 (2) Econ/Mgmt (Fall only)
- MECH 4322 • (3) Sys Dynamics (Fall Only)
- Humanities (3) Elective

Spring Semester (16)

- TECH Elective (3)
- MECH Elective (3)
- ECON 2010 (3) Macro Econ
- MECH 4323 ○• (3) Sen. Design II (Spring Only)
- Humanities (3) Elective
- MECH 4335 • (1) Sys Dyn Lab

THE UNIVERSITY OF MEMPHIS

A Tennessee Board of Regents Institution
An Equal Opportunity – Affirmative Action University