

A – MINOR REQUIREMENTS – 23 HOURS (7 advanced minimum)

This minor is suitable for STEM students who wish to have a general introduction to applications of engineering. Minor criteria: completion of MATH 2414 Calculus II (or MATH 2488 Honors) and PHYS 2426 Physics for Scientists and Engineers II. A grade of 'C' or better is required for ENGR 2301 and ENGR 2305/2105.

1 – Engineering Physics Core – 17 hours (7 advanced)

MATH 3341 Differential Equations
ENGR 2301 Engineering Mechanics I: Statics
ENGR 2302 Engineering Mechanics II: Dynamics
ENGR 2305 Linear Circuits
ENGR 2105 Linear Circuits Lab
ENGR 3321 Electronics I
ENGR 3121 Electronics I Lab

2 – Engineering Physics Electives – 6 hours

Choose from:

ENGR 1304 Engineering Graphics I
ENGR 2342 Renewable Energy Fundamentals
ENGR 2330 Digital Systems I
ENGR 2130 Digital Systems I Lab
ENGR 3304 Mechanics of Materials
ENGR 3331 Digital VLSI Circuits
ENGR 3330 Linear Signals and Systems
ENGR 2340 Engineering Materials
ENGR 2140 Engineering Materials Lab
ENGR 4322 Electronics II
ENGR 4326 Power Electronics
ENGR 4406 Engineering Mechanics III: Fluid Mechanics