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